# LIMITED ENVIRONMENTAL SUBSURFACE EXPLORATION



NATIONAL MALL CAROUSEL 1000 JEFFERSON DRIVE SW WASHINGTON, DISTRICT OF COLUMBIA

ECS PROJECT NO. 47:17909

**FOR** 

**HARTMAN-COX ARCHITECTS** 

JUNE 5, 2024





Geotechnical • Construction Materials • Environmental • Facilities

June 5, 2024

Mr. Scott C. Teixeira, FAIA Hartman-Cox Architects 1074 Thomas Jefferson Street NW Washington, District of Columbia 20007

ECS Project No. 47:17909

Reference: Limited Environmental Subsurface Exploration, National Mall Carousel, 1000 Jefferson Drive SW, Washington, District of Columbia

Dear Mr. Teixeira:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide you with the results of the Limited Environmental Subsurface Exploration for the above-referenced property. Our services were provided in general accordance with ECS Proposal No. 47:27440-EPR2 authorized on October 30, 2023.

ECS has appreciated the opportunity to assist you with this project. If you have any questions or comments regarding this report, or any other aspect of the project, please contact us at 703-471-8400.

Respectfully submitted,

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ECS Mid-Atlantic, LLC

Clayton R. MacLeod Environmental Staff Project Manager cmacleod@ecslimited.com

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## 1.0 PROJECT BACKGROUND

The project site consists of the former location of the carousel on the National Mall located west of the intersection of Jefferson Drive SW and 7th Street NW in Washington, DC. Reportedly, architectural and engineering (A/E) services were requested for the anticipated renovation of the carousel, which will reportedly include hazardous materials remediation and improvements to electrical and mechanical systems. Based on the information provided, the existing carousel was originally constructed as a traveling carousel in 1947, and the carousel was relocated to its current location on the National Mall in 1981. Currently, the carousel has been removed from the property as part of a refurbishment project.

The Smithsonian Institution A/E Scope of Work document (OPDC Project No. 732399615 dated February 23, 2022) indicated that existing conditions and code compliance work should include soil boring tests throughout the area of impact to determine the presence of hazardous materials in the soil, and the preparation of a report outlining the results and remediation steps as required. Therefore, ECS completed a Limited Environmental Subsurface Exploration underneath the location of the former carousel.

#### 2.0 PURPOSE AND SCOPE OF WORK

The purpose of this Limited Environmental Subsurface Exploration was to collect subsurface samples to study the potential presence of contaminants in the area of impact for the carousel renovation project. This exploration was not designed or intended to be a comprehensive site assessment of all environmental conditions beneath the site.

#### 2.1 Lead in Soil Sampling

On May 8, 2024, ECS collected a total of four (4) composite soil samples, including one composite soil sample from each quadrant of the project site where lead-based paint was suspected to have contaminated soil; the four quadrants are depicted in the sampling diagram included in <u>Appendix</u> lof this report. The soil samples were collected from approximately the top 1.5 centimeters of the subsurface in general accordance with U.S. Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards. The samples were submitted to a laboratory that participates in the American Industrial Hygiene Association (AIHA) Environmental Lead Proficiency Analytical Testing (ELPAT) Programs for analysis of lead concentration (percent by weight) using Flame Atomic Absorption Spectroscopy.

## 2.2 Subsurface Soil Sampling from Soil Borings

On May 8, 2024, ECS employed a track-mounted Geoprobe to advance a total of five (5) borings across the project site. The approximate boring locations are depicted on the attached boring location diagram included in Appendix I. The Geoprobe used a hydraulic hammer to push a steel rod with a clear PVC sleeve into the ground in 5-foot increments. The macrocore was then withdrawn from the ground, and the sleeve removed, containing a relatively undisturbed soil core. The sleeve was cut open allowing examination and sampling of the entire soil core. Borings were advanced to depths ranging between 13 and 14 feet below existing surface grade.



Discrete soil samples were screened in 2.5-foot intervals throughout the depth of each boring with a Photoionization Detector (PID), which measured total volatile organic compounds (VOCs) emanating from the sample. PID readings are recorded in the attached boring logs (Appendix III).

Based on PID readings and field observations (staining, odor, etc.), two (2) soil samples from each boring were selected for laboratory analysis. Selected soil samples were placed in clean laboratory-grade glass jars, packed on ice, and shipped to the testing laboratory via courier on the day following sample collection. A total of ten (10) soil samples were submitted under chain-of-custody protocol for laboratory analysis of total petroleum hydrocarbons diesel-range and gasoline-range organics (TPH DRO and TPH GRO), volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and Resource Conservation and Recovery Act (RCRA) 8 Metals.

#### 3.0 LEAD IN SHALLOW SOIL SAMPLING RESULTS

A total of four (4) shallow soil samples were submitted for laboratory analysis of total lead. The soil sample results were compared to the Environmental Protection Agency (EPA) Regional Screening Level (RSL) (TR=1E-6, THQ=0.1) for Resident Soil (November 2023). The results are summarized in the laboratory results summary Table 2 <u>Appendix II</u> and the full laboratory results are provided in <u>Appendix IV</u>.

Lead was detected in each of the four (4) soil samples analyzed for lead concentration. The soil samples contained lead concentrations ranging from 38 milligrams per kilogram (mg/kg) to 63 mg/kg. None of the four (4) soil samples contained lead concentrations that exceeded the EPA RSL for Resident Soil of 400 mg/kg.

### **4.0 SUBSURFACE SOIL SAMPLING RESULTS**

A total of ten (10) soil samples were submitted for laboratory analysis of TPH DRO, TPH GRO, VOCs, PAHs, PCBs, and total RCRA 8 metals. Soil sample results were compared to the DC Risk Based Corrective Action (RBCA) Tier 1 Risk-Based Screening Level (RBSL) for Subsurface Soil to Indoor Inhalation for a Resident Adult, which are the most conservative screening levels. Where DC RBSLs were not established for a particular compound, the values were compared to the Environmental Protection Agency (EPA) Regional Screening Level (RSL) (TR=1E-6, THQ=0.1) for Resident Soil (November 2023). The results are summarized in the laboratory results summary Table 1 in Appendix II and the full laboratory results are provided in Appendix IV of this report.

#### 4.1 Petroleum

TPH DRO was detected in one (1) of the ten (10) soil samples analyzed, at a concentration 41.7 mg/kg. TPH DRO was detected in the soil sample collected at a depth of 2.5 to 5 feet below ground surface from soil boring B-2. The detected concentration of TPH DRO did not exceed the DC Department of Energy and Environment (DOEE) Tier 0 screening level of 100 mg/kg or the DC RBCA Tier 1 RBSL for Sub-Surface Soil to Indoor Inhalation for a Resident Adult of 2,120 mg/kg.

TPH GRO was not detected above laboratory detection limits in the soil samples analyzed.



#### **4.2 Volatile Organic Compounds**

One (1) VOC, methylene chloride, was detected in each of the ten (10) soil samples analyzed. None of the detected concentrations of methylene chloride exceeded the applicable Resident Soil EPA RSL.

# 4.3 Polycyclic Aromatic Hydrocarbons (PAHs)

Ten (10) PAHs were detected in one (1) of the 10 soil samples including benzo[a]anthracene, benzo[b]fluoranthene, benzo[k]fluoranthene, benzo[g,h,i]perylene, benzo[a]pyrene, chrysene, fluoranthene, indeno[1,2,3-cd]pyrene, phenanthrene and pyrene. None of the detected PAHs exceeded their respective screening level.

## 4.4 Polychlorinated Biphenyls (PCBs)

PCBs were not detected above laboratory detection limits in the soil samples analyzed.

#### 4.5 Metals

Six (6) RCRA-8 metals were detected in the ten (10) soil samples including arsenic, barium, chromium, lead, mercury and selenium. The DC DOEE has not established indoor inhalation RBSLs for RCRA-8 Metals. None of the detected metal concentrations exceeded their respective EPA RSL for Resident Soil, with the exception of arsenic. Arsenic detections are discussed further below:

Arsenic was detected in each of the ten (10) soil samples analyzed for RCRA Metals. Detected arsenic concentrations ranged from 3.11 mg/kg to 7.23 mg/kg, and each of the detections exceeded the EPA RSL for Resident Soil, 0.68 mg/kg.

Arsenic is a naturally occurring compound and the majority of detected soil concentrations are within expected background concentrations as defined by USGS Professional Paper 1270, *Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States* (Shacklette and Boerngen, 1984). According to their arsenic map based on 1,257 background samples, soil samples from the greater DC area fall within the general concentration range (4.1 to 6.2 mg/kg) category as the mean for the United States, 5.2 mg/kg. In addition, the majority of the arsenic concentrations detected are consistent with the published 95<sup>th</sup> percentile background concentrations in Virginia (14.9 mg/kg) and Maryland (9.2 mg/kg), or for the crystalline rocks of Mid-Atlantic Piedmont Physiographic Province (9.7 mg/kg) based on 1,600 background samples (Vosnakis and Perry, 2009). Therefore, based on the published USGS data and our experience with similar sites in the DC metropolitan region, it ECS's opinion that the detected concentrations of arsenic in subsurface soil were consistent with background concentrations of arsenic in this geologic area, and are not considered to represent evidence of anthropogenic contamination or a significant risk to human health and the environment.

# **5.0 GROUNDWATER SAMPLING RESULTS**

Saturated conditions indicative of groundwater were not encountered in the five (5) borings advanced.



### **6.0 SUMMARY AND CONCLUSIONS**

To determine if subsurface environmental conditions in the vicinity of the carousel at the subject property may had been adversely impacted, ECS collected four (4) shallow soil samples to study potential lead hazards in soil related to lead-based paint which may have been applied to the carousel. ECS also advanced five (5) soil borings to depths ranging between 13 and 14 feet bgs to study contaminants in the subsurface in the area of impact for the carousel renovation project. A total of ten (10) subsurface soil samples were submitted for analysis of TPH DRO, TPH GRO, VOCs, PAHs, PCBs and RCRA-8 metals. Saturated conditions indicative of groundwater were not encountered in the five (5) borings advanced.

TPH DRO was detected in one (1) of the ten (10) soil samples analyzed, at a concentration of 41.7 mg/kg, which did not exceed the DOEE Tier 0 screening level of 100 mg/kg or the DC RBCA Tier 1 RBSL for Sub-Surface Soil to Indoor Inhalation for a Resident Adult of 2,120 mg/kg.

One (1) VOC and ten (10) PAHs were detected in the soil samples analyzed; however, none of the detected VOC or PAH concentrations exceeded applicable DOEE Tier 1 RBSL for subsurface soil to indoor inhalation for a resident adult or EPA RSL for resident soil, where established.

Lead was detected in each of the four (4) shallow soil samples analyzed for lead concentration. The soil samples contained lead concentrations ranging from 38 mg/kg to 63 mg/kg. None of the detected lead concentrations exceeded the EPA RSL for Resident Soil of 400 mg/kg. Additionally, none of the detected metals in the ten (10) soil boring samples exceeded their respective EPA RSL for Resident Soil, with the exception of arsenic. However, based on published data, the arsenic concentrations are believed to be within typical background concentrations for this geologic area. Additionally, arsenic does not readily volatize. Therefore, the primary metal risk would be from dermal and ingestion pathways.

Based on the detected concentrations of contaminants in the locations sampled, it is ECS's opinion that the detected petroleum, VOC, PAH, and metal concentrations are unlikely to pose an unacceptable risk to human health of current or future occupants. However, petroleum-impacted soil may require special handling if encountered during construction/excavation activities at the subject property.

If encountered during redevelopment, petroleum-impacted soils that are excavated and need to be removed from the site as part of site development will need to be disposed of appropriately at a landfill or treatment/disposal facility permitted to accept such wastes. Disposal criteria for contaminated soil will depend on the jurisdiction in which it is to be disposed. In the District of Columbia, excavated soils containing detectable petroleum concentrations below the Tier 0 limit, 100 mg/kg of TPH DRO, can be reused as fill material on the same site from which they were excavated. The onsite reuse limit for TPH GRO in the District of Columbia is the Tier 1 limit, 54.4 mg/kg. Soils that are excavated containing petroleum concentrations above their respective TPH DRO and GRO limits or below their respective TPH DRO and GRO limits that cannot be reused onsite cannot be disposed of within the District limits and must be disposed of at an appropriate disposal or treatment facility.



In Maryland, based on the Land Materials Administration Fact Sheet dated August 2017, soil containing petroleum (TPH DRO or TPH GRO) concentrations less than 230 mg/kg may be used as Category 1 fill materials at both residential and non-residential sites. Soil containing petroleum (TPH DRO or TPH GRO) concentrations less than 620 mg/kg may be used as Category 2 fill materials on non-residential sites only. Soils containing petroleum concentrations greater than 620 mg/kg will need to be disposed at a licensed disposal/treatment facility capable of accepting the material. However, for use as Category 1 or 2 fill material, all other contaminants will also need to be below their respective residential or commercial screening levels as defined in the current "State of Maryland Department of the Environment (MDE) Cleanup Standards for Soil and Groundwater," dated October 2018. Reuse of contaminated soil in accordance with the Fact Sheet is dependent on MDE Land Restoration Program review and approval of the material for use as backfill on the selected property. MDE may request additional site information (both for the source and receiving sites), and/or additional sampling and analysis prior to approval. If a site cannot be located to accept contaminated material as backfill, it will need to be disposed of at a licensed disposal/treatment facility capable of accepting the material.

In Virginia, solid waste management regulations divide petroleum-impacted soils into various classes depending on concentration. Soils containing petroleum concentrations less than 50 mg/kg and total BTEX less than 10 mg/kg may be disposed with certain restrictions (see 9VAC20-81-660-D.2.d). Soils containing less than 500 mg/kg petroleum may be disposed of in a lined landfill permitted to receive such wastes. Soils containing petroleum concentrations greater than 500 mg/kg may not be disposed of in Virginia landfills, unless the permit expressly allows for such disposal.

In practice, it is often difficult for developers and contractors to find a suitable disposal location for "marginally-impacted" petroleum contaminated soils- i.e. soils containing detectable petroleum concentrations below the regulatory thresholds. This is due to the paucity of net fill construction sites in the area, and the relative abundance of legitimately clean fill materials with no petroleum contamination. Given the option, developers of most fill sites will prefer clean fill materials over marginally-impacted materials. Consequently, it is common practice in this region to dispose of even low-level contaminated soils at petroleum-impacted soil facilities such as Clean Earth, Inc. of Greater Washington (Brandywine, Maryland) or Soil Safe, Inc. (Upper Marlboro, Maryland).

#### 7.0 QUALIFICATIONS

The conclusions presented within this report are based upon a reasonable level of investigation within normal bounds and standards of professional practice for a site in this particular geographic and geologic setting, and the areas of the site accessible for drilling.

The findings of this study are not intended to serve as an audit of health and safety or compliance issues pertaining to improvements or occupant activities on-site. All observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are limited to conditions observed, depths sampled, and/or materials reviewed at the time this study was undertaken. No warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. ECS has not completed or used any form of predetermined language to report the conclusions of this work, and it is our understanding that we will not be required to do



so. Compensation for this investigation is not contingent upon results, and ECS has conducted this environmental soil sampling objectively without reference to any particular outcome desired by the client.

This letter is provided for the exclusive use of Hartman-Cox Architects. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties. The use of this letter by any undesignated third party or parties would be at such party's sole risk and ECS disclaims liability for any such third party use or reliance.



# Appendix I: Sampling Location Diagrams





# SHALLOW LEAD SOIL SAMPLING DIAGRAM SMITHSONIAN CAROUSEL LIMITED SUBSURFACE EXPLORATION

901 Jefferson Drive SW, Washington, District of Columbia, 20560 Hartman - Cox Architects

**ENGINEER** BJW1

SCALE

AS NOTED

PROJECT NO. 47:17909

FIGURE 1 OF 1 DATE 5/30/2024





# BORING LOCATION DIAGRAM SMITHSONIAN CAROUSEL LIMITED SUBSURFACE EXPLORATION

901 Jefferson Drive SW, Washington, District of Columbia, 20560 Hartman - Cox Architects ENGINEER DJB SCALE

AS NOTED

PROJECT NO. 47:17909

FIGURE 1 OF 1

DATE 5/30/2024

# **Appendix II: Laboratory Results Summary Tables**

Table 1
Summary of Detected Lead Concentrations in Shallow Soil Samples
S.I Carousel Limited Environmental Subsurface Exploration
Washington, DC

|        | Sample ID Sample Date                   | Q1-Lead<br>5/8/2024 | Q2-Lead<br>5/8/2024 | Q3-Lead<br>5/8/2024 | Q4-Lead<br>5/8/2024 |
|--------|---|---------------------|---------------------|---------------------|---------------------|
| Metals | EPA RSL for<br>Resident Soil<br>(mg/kg) | mg/kg               | mg/kg               | mg/kg               | mg/kg               |
| Lead   | 400                                     | 60.0                | 46.0                | 63.0                | 38.0                |

# Notes:

mg/kg = milligrams per kilogram

Only compounds present at concentrations above the laboratory detection limit are included

Bold Exceeds EPA RSL for Resident Soil Screening Level

Table 2 Summary of Detected Concentrations in Subsurface Soil S.I Carousel Limited Environmental Subsurface Exploration Washington, DC

|                                 | Sample ID  | B-1 2.5-5' | B-1 10.5-13' | B-2 2.5-5' | B-2 11.5-14' | B-3 2.5-5' | B-3 11.5-14' | B-4 2.5-5' | B-4 11.5-14' | B-5 2.5-5' | B-511-13.5' |
|---------------------------------|--|------------|--------------|------------|--------------|------------|--------------|------------|--------------|------------|-------------|
|                                 | Sample Date  | 5/8/2024   | 5/8/2024     | 5/8/2024   | 5/8/2024     | 5/8/2024   | 5/8/2024     | 5/8/2024   | 5/8/2024     | 5/8/2024   | 5/8/2024    |
| Total Petroleum Hydrocarbons    | Indoor Inhalation of Sub-<br>Surface Soil Screening<br>Level*(mg/kg) | mg/kg      | mg/kg        | mg/kg      | mg/kg        | mg/kg      | mg/kg        | mg/kg      | mg/kg        | mg/kg      | mg/kg       |
| Diesel-Range Organics           | 2,120*   | ND         | ND           | 41.7       | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Volatile Organic Compounds      | Screening Level (µg/kg)  | μg/kg      | μg/kg        | μg/kg      | μg/kg        | μg/kg      | μg/kg        | μg/kg      | μg/kg        | μg/kg      | μg/kg       |
| Methylene chloride              | 35,000**   | 28.8 L     | 24.0 L       | 31.3 L     | 22.3 L       | 25.6 L     | 28.7 L       | 38.7 L     | 34.2 L       | 45.0 L     | 37.8 L      |
| Semi-Volatile Organic Compounds | Screening Level (µg/kg)  | μg/kg      | μg/kg        | μg/kg      | μg/kg        | μg/kg      | μg/kg        | μg/kg      | μg/kg        | μg/kg      | μg/kg       |
| Benzo[a]anthracene              | 103,000*   | ND         | ND           | 320        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Benzo[b]fluoranthene            | 3,460,000*   | ND         | ND           | 490        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Benzo[k]fluoranthene            | 3,770,000*   | ND         | ND           | 160        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Benzo[g,h,i]perylene            | NA   | ND         | ND           | 260        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Benzo[a]pyrene                  | 453,000*   | ND         | ND           | 350        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Chrysene                        | 2,120,000*   | ND         | ND           | 330        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Fluoranthene                    | NA   | ND         | ND           | 550        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Indeno[1,2,3-cd]pyrene          | 1,100**  | ND         | ND           | 250        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Phenanthrene                    | NA   | ND         | ND           | 350        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| Pyrene                          | NA   | ND         | ND           | 530        | ND           | ND         | ND           | ND         | ND           | ND         | ND          |
| RCRA Metals                     | Screening Level (mg/kg)  | mg/kg      | mg/kg        | mg/kg      | mg/kg        | mg/kg      | mg/kg        | mg/kg      | mg/kg        | mg/kg      | mg/kg       |
| Arsenic                         | 0.68**   | 5.10       | 3.62         | 7.23       | 3.16         | 6.03       | 3.32         | 5.56       | 3.11         | 4.76       | 3.37        |
| Barium                          | 1,500**  | 56.1       | 24.4         | 93.4       | 21.2         | 61.6       | 21.8         | 54.4       | 21.1         | 51.1       | 24.5        |
| Chromium (total)                | ne   | 18.5       | 10.2         | 20.0       | 7.94         | 22.7       | 10.1         | 18.2       | 12.1         | 15.5       | 9.93        |
| Lead                            | 400**  | 10.8       | 5.32         | 60.6       | 4.37         | 10.9       | 4.88         | 10.9       | 4.37         | 10.1       | 3.96        |
| Mercury                         | 1.1**  | 0.0376     | ND           | 0.259      | ND           | 0.043      | ND           | 0.0723     | ND           | 0.0243     | ND          |
| Selenium                        | 39**   | 0.903      | 0.911        | 2.30       | 0.864        | 0.805      | 0.623        | 0.954      | 0.966        | 0.976      | 0.939       |

# Notes:

mg/kg = milligrams per kilogram

μg/kg = micrograms per kilogram

Only compounds present at concentrations above the laboratory detection limit are included

L= analyte is a possible laboratory contaminant

\*= D.C. Risk-Based Corrective Action (DCRBCA) Technical Guidance, Table 5-9 Risk-Based Screening for a Resident Adult, Sub-Surface Soil, Indoor Inhalation, Updated June 2011

\*\*= no DCRBCA screening level established, screening level based on EPA Regional Screening Level (RSL) Summary Table November 2023 (TR=1E-6, THQ=0.1) for Resident Soil

NA = screening level not available due to lack of an input parameter, per DCRBCA Technical Guidance

ne = no established screening level

ND = analyte not detected at or above the reporting limit

Bold Exceeds screening level

# **Appendix III: Boring Logs**

| Project I | Name:     | Smithsor<br>Explorati |                                  | sel Lir              | nited S     | Subsurface          |          | Sheet: <b>1 of 1</b>  |          | Boring No:               | B-01                     |             |  |
|-----------|-----------|-----------------------|----------------------------------|----------------------|-------------|---------------------|----------|-----------------------|----------|--------------------------|--------------------------|-------------|--|
| Client:   |           | Hartman               | - Cox Arch                       | nitects              | ;           |                     | Projec   | ct No.: <b>47:179</b> | 09       |                          |                          | -Co         |  |
| Site Loca |           |                       | rson Drive<br>bia, 20560         |                      | Vashin      | gton, District      | Driller: | GSI Mi<br>Atlanti     |          | Drill Rig:               | GeoProbe                 | <b></b>     |  |
| Latitude  | /Longit   | ude:                  |                                  |                      |             |                     |          |                       |          |                          |                          | 10          |  |
| Depth/l   | Elevation | PID READING           | Sample Number                    | Sample Recovery (in) | Graphic Log | Soil Classification | on       | Description           |          |                          |                          |             |  |
| -         |           | -                     |                                  |                      | : 7:/:/     | Asphalt             |          | phalt Thickn          |          |                          | 1. 1                     |             |  |
| 5         | -5<br>-10 | - 0.0                 | B-1<br>2.5-5'<br>B-1<br>11.5-13' |                      |             | SC<br>SP            | (SI      | P) SAND, bro          | wn, dr   | y, medium d              | dense                    | edium dense |  |
| 15-       | -15       | 0.0                   |                                  |                      |             |                     | Re       | efusal encou          | ntered   |                          | t.<br>RILLING AT 13.0 FT |             |  |
| 20        |           |                       |                                  |                      |             |                     |          | T                     |          |                          |                          |             |  |
| ∇ W       | /L (First | Encounte              | red) <b>D</b>                    | ry                   |             |                     |          | [                     | Boring S | tarted:                  | May 08 202               | 4           |  |
|           |           | pletion)              |                                  |                      |             |                     |          | [                     | Boring C | Completed:               | May 08 202               | 4           |  |
| Remarks   | S:        |                       |                                  |                      |             |                     |          |                       | ogged    |                          | Jacey Schick             | (           |  |
| 1         |           |                       |                                  |                      |             |                     |          |                       |          | l Engineer/<br>sible PG: | Brian Wasse              | erstein     |  |

| Project          |   | Smithsor<br>Explorati |                          | sel Lir | nited S | Subsurface     |      | Sheet: <b>1 of 1</b>            | Boring No:   | B-02                |            |
|------------------|---|-----------------------|--------------------------|---------|---------|----------------|------|---------------------------------|--------------|---------------------|------------|
| Client:          |   | Hartman               | - Cox Arch               | itects  | ;       |                | Pr   | roject No.: <b>47:17909</b>     |              |                     | -00        |
| Site Loc         |   |                       | rson Drive<br>bia, 20560 |         | Vashin  | gton, District | Dril | ler: GSI Mid-<br>Atlantic, Inc. | Drill Rig:   | GeoProbe            | <b>ECS</b> |
| Latitude         | /Longitu  | ude:                  |                          |         |         |                |      |                                 |              |                     | TM         |
| Depth/l          | Sample Number Sample Recovery (in)  Graphic Log |                       |                          |         |         |                |      |                                 | D            | Description         |            |
|                  |   | _                     |                          |         |         | SP             |      | (SP) SAND, dark brow            |              |                     |            |
| -<br>-<br>-<br>- |   | - 0.0                 | B-2                      |         |         | sc             |      | (SC) CLAYEY SAND, br            | own, dry, m  | nedium dense        |            |
| -                |   | _                     | 2.5-5'                   |         |         |                |      |                                 |              |                     |            |
| 5 <del>-</del>   | <b>-</b> 5                                      | 0.0                   |                          |         |         |                |      | (CL) SANDY LEAN CLA             | Y, brown, dı | ry, firm            |            |
| -<br>-<br>-<br>- |   | - 0.0                 |                          |         |         | CL             |      |                                 |              |                     |            |
| =                |   | _                     |                          |         |         |                |      | (SP) SAND, brown, dr            | y, medium o  | dense               |            |
| 10 -             | -10 ·   | 0.0                   |                          |         |         | SP             |      |                                 |              |                     |            |
| -<br>-<br>-<br>- |   | 0.0                   | B-2<br>11.5-14'          |         |         | SP             |      | (SP) SAND, contains r           | ock fragmei  | nts, brown, dry, me | dium dense |
| -                | -   | 0.0                   |                          |         | 1:1-1-  |                |      | Refusal encountered             | at 14.0 fee  | t.                  |            |
| 15               | -15   | -                     |                          |         |         |                |      |                                 | END OF DR    | RILLING AT 14.0 FT  |            |
| <del>20</del>    | ,   |                       | 1                        |         |         |                |      |                                 |              |                     |            |
|                  |   | Encounte              | red) <b>D</b>            | ry      |         |                |      | Boring S                        |              | May 08 2024         |            |
|                  | /L (Comp  | oletion)              |                          |         |         |                |      |                                 | Completed:   | May 08 2024         |            |
| Remark           | 5:  |                       |                          |         |         |                |      | Logged                          |              | Jacey Schick        |            |
|                  |   |                       |                          |         |         |                |      | Principa<br>Respons             | l Engineer/  | Brian Wasse         | rstein     |

| Project               |  | Smithson<br>Exploration |                         | sel Lin | nited S | Subsurface     |      | Sheet: <b>1 of 1</b>             | Boring No:  | B-03                     |            |  |  |
|-----------------------|--|-------------------------|-------------------------|---------|---------|----------------|------|----------------------------------|-------------|--------------------------|------------|--|--|
| Client:               |  | -                       | - Cox Arch              | nitects | ;       |                | Р    | roject No.: <b>47:17909</b>      |             |                          | -00        |  |  |
| Site Loc              |  |                         | son Drive<br>pia, 20560 |         | Vashin  | gton, District | Dril | ller: GSI Mid-<br>Atlantic, Inc. | Drill Rig:  | GeoProbe                 | <b>ECS</b> |  |  |
| Latitude              | e/Longitu                                      | ude:                    |                         |         |         |                |      |                                  |             |                          | TM.        |  |  |
| Depth/l               | Sample Recovery (in)  Graphic Log  Graphic Log |                         |                         |         |         |                | on   | Description                      |             |                          |            |  |  |
| -                     |  | - 0.0                   | B-3<br>2.5-5'           |         |         | sc<br>sc       |      | (SC) CLAYEY SAND, bro            |             |                          |            |  |  |
| 5-                    | -5·  | 0.0                     |                         |         | ///     |                |      | (SP) SAND, contains ro           | ock fragmer | nts, brown, dry, med     | lium dense |  |  |
| -<br>-<br>-<br>-<br>- |  | 0.0                     |                         |         |         |                |      |                                  |             |                          |            |  |  |
| 10 -                  | -10 ·  | 0.0                     |                         |         |         | SP             |      |                                  |             |                          |            |  |  |
| -<br>-<br>-<br>-      | -  | 0.0                     | B-3<br>11.5-14'         |         |         |                |      |                                  |             |                          |            |  |  |
| 15 -                  | -15  | -                       |                         |         |         |                |      | Refusal encountered              |             | t.<br>RILLING AT 14.0 FT |            |  |  |
| -<br>-<br>20          |  | _                       |                         |         |         |                |      |                                  |             |                          |            |  |  |
| ∇ W                   | /L (First                                      | Encounter               | red) <b>D</b>           | ry      |         |                |      | Boring S                         | tarted:     | May 08 2024              |            |  |  |
| ▼ W                   | /L (Com <sub>l</sub>                           | oletion)                |                         |         |         |                |      | Boring C                         | ompleted:   | May 08 2024              |            |  |  |
| Remark                | s:   |                         |                         |         |         |                |      | Logged E                         | <br>Зу:     | Jacey Schick             |            |  |  |
|                       |  |                         |                         |         |         |                |      | Principal<br>Respons             | Engineer/   | Brian Wasser             | rstein     |  |  |

| Project N |                      | Smithson<br>Exploration   |                 | sel Lin              | nited S     | Subsurface        |     | Sheet: <b>1 of 1</b>             | Boring No:                | B-04                     |             |
|-----------|----------------------|---------------------------|-----------------|----------------------|-------------|-------------------|-----|----------------------------------|---------------------------|--------------------------|-------------|
| Client:   |                      | Hartman -                 | - Cox Arch      | nitects              | ;           |                   | Р   | roject No.: <b>47:17909</b>      |                           |                          | <b>LC</b> O |
| Site Loca |                      | 900 Jeffers<br>of Columb  |                 |                      | Vashin      | gton, District    | Dri | ller: GSI Mid-<br>Atlantic, Inc. | Drill Rig:                | GeoProbe                 | ECS         |
| Latitude, | /Longitu             | ıde:                      |                 |                      |             |                   |     |                                  |                           |                          | TM          |
| Depth/E   | Elevation            | PID READING               | Sample Number   | Sample Recovery (in) | Graphic Log | Soil Classificati | ion |                                  | D                         | Description              |             |
| _         |                      | -                         |                 |                      | 7:7:7:7     | SP                |     | (SP) SAND, dark brov             |                           |                          |             |
| -         | -                    | _                         |                 |                      |             | sc                |     | (SC) CLAYEY SAND, b              | rown, moist               | , medium dense           |             |
| 4         | -                    | -                         |                 |                      | ///         |                   |     | (SC) CLAYEY SAND, b              | rown dry m                | nedium dense             |             |
| -         | -                    | - 0.0<br>-<br>-<br>-      | B-4<br>2.5-5'   |                      |             | SC                |     | (SC) CENTET SAND, O              | iowii, ai y, ii           | icaidiii delise          |             |
| 5-        | <b>-</b> 5           | 0.0                       |                 |                      | ///         |                   |     | (SP) SAND, brown, di             | ry, medium (              | dense                    |             |
| 10-       | -10-                 | -<br>-<br>-<br>-<br>- 0.0 | B-4<br>11.5-14' |                      |             | SP                |     |                                  |                           |                          |             |
|           |                      | -                         |                 |                      |             | SP                |     | (SP) SAND, contains              | rock tragme               | nts, brown, ary, me      | aium aense  |
| 15-       | -15 -<br>-<br>-<br>- | - 0.0<br>                 |                 |                      |             |                   |     | Refusal encountered              | at 14.0 fee<br>END OF DF  | t.<br>RILLING AT 14.0 FT |             |
| 20        |                      |                           |                 |                      |             |                   |     | Т                                |                           |                          |             |
| ∇ W       | 'L (First I          | Encounter                 | ed) D           | ry                   |             |                   |     | Boring 9                         | Started:                  | May 08 2024              | 4           |
|           | L (Comp              | oletion)                  |                 |                      |             |                   |     | Boring (                         | Completed:                | May 08 2024              | 4           |
| Remarks   | :                    |                           |                 |                      |             |                   |     | Logged                           | By:                       | Jacey Schick             |             |
|           |                      |                           |                 |                      |             |                   |     |                                  | al Engineer/<br>sible PG: | Brian Wasse              | rstein      |

| Project  | Name:     | Smithsor<br>Explorati                          |                          | sel Lir              | nited S     | Subsurface          |                  | Sheet: <b>1 of 1</b>       | Boring No:    | B-05                     |             |  |
|----------|-----------|--|--------------------------|----------------------|-------------|---------------------|------------------|----------------------------|---------------|--------------------------|-------------|--|
| Client:  |           | Hartman  | - Cox Arch               | nitects              | <b>;</b>    |                     | Pro <sub>.</sub> | ject No.: <b>47:17909</b>  |               |                          | -Co         |  |
| Site Loc |           |  | rson Drive<br>bia, 20560 |                      | Vashin      | gton, District      | Drille           | GSI Mid-<br>Atlantic, Inc. | Drill Rig:    | GeoProbe                 | <b>L</b> C3 |  |
| Latitude | /Longit   | ude:   |                          |                      |             |                     |                  |                            |               |                          | 150         |  |
| Depth/l  | Elevation | PID READING                                    | Sample Number            | Sample Recovery (in) | Graphic Log | Soil Classification | on               | Description                |               |                          |             |  |
| -        |           | -  |                          |                      | : 7:7:7     | Asphalt             |                  | Asphalt Thickness[6        |               | d': d                    |             |  |
| 5        | -5        | - 2.8<br>- 2.8<br>- 3.2<br>- 0.7               | B-5<br>2.5-5'            |                      |             | SC                  |                  | (SC) CLAYEY SAND, b        |               |                          | dium dense  |  |
| 10-      | -10       | -<br>-<br>-<br>2.7                             | B-5<br>11-13.5'          |                      |             | SP                  |                  | Refusal encountere         | d at 12 F foo | •                        |             |  |
|          | -15       | -<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- |                          |                      |             |                     |                  | Kerusai encountere         |               | t.<br>RILLING AT 13.5 FT |             |  |
|          | n /=:     | F  |                          |                      |             |                     |                  |                            | Chart I       |                          |             |  |
|          |           | Encounte                                       | rea) <b>C</b>            | ry                   |             |                     |                  |                            | Started:      | May 08 2024              |             |  |
| Remark:  |           | pletion)                                       |                          |                      |             |                     |                  |                            | Completed:    | May 08 2024              |             |  |
|          |           |  |                          |                      |             |                     |                  | Logged<br>Princip          | al Engineer/  | Jacey Schick             |             |  |
| 1        |           |  |                          |                      |             |                     |                  |                            | nsible PG:    | Brian Wasse              | rstein      |  |

# **Appendix IV: Laboratory Reports**



# **Analysis for Lead Concentration** in Soil Samples

by Flame Atomic Absorption Spectroscopy EPA SW-846 3050B/6010C/7000B



Customer: ECS Mid-Atlantic, LLC

14026 Thunderbolt Place Chantilly, VA 20151

**Project:** National Mall Carousel

Attn: Joshua Cinnamon Lab Order ID:

Analysis:

10051081

Analysis:

PBS

Date Received: Date Reported: 05/10/2024 05/20/2024

| Sample ID  Lab Sample ID | Description  Lab Notes | Mass<br>(g) | Concentration (ppm) | Concentration (% by weight) |
|--------------------------|------------------------|-------------|---------------------|-----------------------------|
| Q1-Lead                  | Quadrant 1/Northeast   | 1.3959      | 60.                 | 0.0060%                     |
| 10051081_0001            |                        |             |                     |                             |
| Q2-Lead                  | Quadrant2/Southeast    | 1.9150      | 46                  | 0.0046%                     |
| 10051081_0002            |                        |             |                     |                             |
| Q3-Lead                  | Quadrant 3/Southwest   | 1.8393      | 63                  | 0.0063%                     |
| 10051081_0003            |                        |             |                     |                             |
| Q4-Lead                  | Quadrant 4/Northwest   | 2.5457      | 38                  | 0.0038%                     |
| 10051081_0004            |                        |             |                     |                             |

Disclaimer: Unless otherwise noted blank sample correction was not performed on analytical results. Scientific Analytical Institute participates in the AIHA ELPAT program. ELPAT Laboratory ID: 173190. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. Analytical uncertainty available upon request. The quality control samples run with the samples in this report have passed all EPA required specifications unless otherwise noted. RL: (Report Limit for an undiluted 50 ml sample is 4µg Total Pb).

Athena Summa (4)

Approved Signatory



# 4604 Dundas Dr. Greensboro, NC 27407 Phone: 336.292.3888 Fax: 336.292.3313 www.sailab.com lab@sailab.com

| Lab Order ID: |  |
|---------------|--|
| Client Code:  |  |

| <b>Contact Information</b>    | on                     | Billing/In     | voice I      | nformation                     |               |   |  |  |
|-------------------------------|------------------------|----------------|--------------|--------------------------------|---------------|---|--|--|
| Company Name: ECS Mid-A       | Atlantic, LLC          |                | Company: ECS | Company: ECS Mid-Atlantic, LLC |               |   |  |  |
| Address:                      | 14026 Thunderbolt Pi   | Address: 1     | 4026 Thur    | derbolt Place, Suite           | 100           |   |  |  |
|                               | Chantilly, VA 20151    |                | Cha          | ntilly, VA 20151               |               |   |  |  |
|                               |                        | Contact: Joshu | a Cinnamo    | n                              |               |   |  |  |
| Contact: Joshua Cinnamon      |                        |                | Phone : 571  | .449.0471                      |               |   |  |  |
| Phone : 571.449.0471          |                        |                | Fax :        |                                |               |   |  |  |
| Fax :                         |                        |                | Email : JCir | namon@e                        | eslimited.com |   |  |  |
| Email : JCinnamon@ecsli       | mited.com              |                |              |                                |               |   |  |  |
| PO Number: 47:17909           |                        |                | Turn Aro     | und Ti                         | imes          |   |  |  |
| Project Name/Number: Nat      | ional Mall Carousel    |                | 3 Hours      |                                | 72 Hours      |   |  |  |
|                               |                        |                | 6 Hours      |                                | 96 Hours      |   |  |  |
| Lead Test Types               |                        |                | 12 Hours     |                                | 120 Hours     |   |  |  |
| Paint Chips by Flame AA (PBP) | Soil by Flame AA (PBS) | Other          | 24 Hours     |                                | 144+ Hours    | × |  |  |
| Wipe by Flame AA (PBW)        | Air by Flame AA (PBA)  |                | 48 Hours     |                                | 144 Hours     |   |  |  |
| Sample ID #                   | Descripti              | Volume/Ar      | 00           | Comments                       |               |   |  |  |

| Sample ID# | Description/Location | Volume/Area | Comments                 |
|------------|----------------------|-------------|--------------------------|
| Q1-Lead    | Quadrant 1/Northeast |             | Composite of 10 aliquots |
| Q2-Lead    | Quadrant 2/Southeast |             | Composite of 10 aliquots |
| Q3-Lead    | Quadrant 3/Southwest |             | Composite of 10 aliquots |
| Q4-Lead    | Quadrant 4/Northwest |             | Composite of 10 aliquots |
|            |                      |             |                          |
|            |                      |             |                          |
|            |                      | (a)         | Wheel A                  |
|            |                      | , AS        | STATE SAME               |
|            |                      |             |                          |
|            |                      | 904         | D/01-1100                |

Total Number of Samples 4

| Relinquished by | 1.5       |             |            |
|-----------------|-----------|-------------|------------|
|                 | Date/Time | Received by | Date/Time  |
| Society Schick  | 5/8 1400  |             | Dutte Time |





1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com VELAP ID 460040

17 May 2024

Josh Cinnamon ECS-Chantilly 14026 Thunderbolt Place, Suite 100 Chantilly, VA 20151

RE: DC CAROUSEL

Enclosed are the results of analyses for samples received by the laboratory on 05/08/24 14:30.

Maryland Spectral Services, Inc. is a TNI 2016 Standard accredited laboratory and as such, all analyses performed at Maryland Spectral Services included in this report are 2016 TNI certified except as indicated at the end of this report. Please visit our website at www.mdspectral.com for a complete listing of our TNI 2016 Standard accreditations.

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

Sincerely,

Will Brewington

Who Beigh

President



enelac #

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL**Project Number: 47:17909

Project Manager: Josh Cinnamon

| Client Sample ID | Alternate Sample ID | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------------|---------------------|---------------|--------|----------------|----------------|
| B-1 2.5-5'       |                     | 4050829-01    | Soil   | 05/08/24 12:00 | 05/08/24 14:30 |
| B-1 10.5-13'     |                     | 4050829-02    | Soil   | 05/08/24 12:05 | 05/08/24 14:30 |
| B-2 2.5-5'       |                     | 4050829-03    | Soil   | 05/08/24 12:10 | 05/08/24 14:30 |
| B-2 11.5-14'     |                     | 4050829-04    | Soil   | 05/08/24 12:15 | 05/08/24 14:30 |
| B-3 2.5-5'       |                     | 4050829-05    | Soil   | 05/08/24 12:30 | 05/08/24 14:30 |
| B-3 11.5-14'     |                     | 4050829-06    | Soil   | 05/08/24 12:35 | 05/08/24 14:30 |
| B-4 2.5-5'       |                     | 4050829-07    | Soil   | 05/08/24 12:40 | 05/08/24 14:30 |
| B-4 11.5-14'     |                     | 4050829-08    | Soil   | 05/08/24 12:45 | 05/08/24 14:30 |
| B-5 2.5-5'       |                     | 4050829-09    | Soil   | 05/08/24 12:50 | 05/08/24 14:30 |
| B-5 11-13.5'     |                     | 4050829-10    | Soil   | 05/08/24 12:55 | 05/08/24 14:30 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Bright



\*nelao\*

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-1 2.5-5'

# 4050829-01 (Soil) Sampled on: 05/08/24 12:00

| Sampled on: 05/08/24 12:00            |            |                   |             |             |          |          |                |         |  |  |
|---------------------------------------|------------|-------------------|-------------|-------------|----------|----------|----------------|---------|--|--|
|                                       |            |                   | Reporting   | Detection   |          |          |                |         |  |  |
| Analyte                               | Result     | Notes Units       | Limit (MRL) | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |  |  |
| <b>Volatile Organics by EPA 8260B</b> | (GC/MS) Pr | epared by 5030-GC | EMS         |             |          |          |                |         |  |  |
| Acetone                               | ND         | ug/kg dry         | 11.8        | 11.8        | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| tert-Amyl alcohol (TAA)               | ND         | ug/kg dry         | 59.0        | 59.0        | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| tert-Amyl methyl ether (TAME)         | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Benzene                               | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Bromobenzene                          | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Bromochloromethane                    | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Bromodichloromethane                  | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Bromoform                             | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Bromomethane                          | ND         | ug/kg dry         | 5.9         | 5.9         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| tert-Butanol (TBA)                    | ND         | ug/kg dry         | 59.0        | 59.0        | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 2-Butanone (MEK)                      | ND         | ug/kg dry         | 11.8        | 11.8        | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| n-Butylbenzene                        | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| sec-Butylbenzene                      | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| ert-Butylbenzene                      | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Carbon disulfide                      | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Carbon tetrachloride                  | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Chlorobenzene                         | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Chloroethane                          | ND         | ug/kg dry         | 5.9         | 5.9         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Chloroform                            | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Chloromethane                         | ND         | ug/kg dry         | 5.9         | 5.9         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 2-Chlorotoluene                       | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 4-Chlorotoluene                       | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,2-Dibromo-3-chloropropane           | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Dibromochloromethane                  | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,2-Dibromoethane (EDB)               | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Dibromomethane                        | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,2-Dichlorobenzene                   | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,3-Dichlorobenzene                   | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,4-Dichlorobenzene                   | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| Dichlorodifluoromethane               | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,1-Dichloroethane                    | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,2-Dichloroethane                    | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |
| 1,1-Dichloroethene                    | ND         | ug/kg dry         | 5.9         | 2.4         | 1        | 05/15/24 | 05/15/24 18:27 | WB      |  |  |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Willester



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1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-1 2.5-5'

# 4050829-01 (Soil) Sampled on: 05/08/24 12:00

|  |            |                   | Reporting      | Detection   |          |          |   |         |
|--|------------|-------------------|----------------|-------------|----------|----------|---|---------|
| Analyte  | Result     | Notes Units       | Limit (MRL)    | Limit (LOD) | Dilution | Prepared | Analyzed  | Analyst |
| Volatile Organics by EPA 8260B (Control of the Control of the Cont | GC/MS) Pro | epared by 5030-GC | CMS (continued | )           |          |          | 05/15/24 18:27 W |         |
| cis-1,2-Dichloroethene   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| trans-1,2-Dichloroethene   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Dichlorofluoromethane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,2-Dichloropropane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,3-Dichloropropane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 2,2-Dichloropropane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,1-Dichloropropene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| cis-1,3-Dichloropropene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| trans-1,3-Dichloropropene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Diisopropyl ether (DIPE)   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Ethyl tert-butyl ether (ETBE)  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Ethylbenzene   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Hexachlorobutadiene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 2-Hexanone   | ND         | ug/kg dry         | 11.8           | 11.8        | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| (Sopropylbenzene (Cumene)  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 4-Isopropyltoluene   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Methyl tert-butyl ether (MTBE)   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 4-Methyl-2-pentanone   | ND         | ug/kg dry         | 11.8           | 11.8        | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Methylene chloride   | 28.8       | L ug/kg dry       | 23.6           | 23.6        | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Naphthalene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| n-Propylbenzene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Styrene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,1,1,2-Tetrachloroethane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,1,2,2-Tetrachloroethane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Tetrachloroethene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Toluene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,2,3-Trichlorobenzene   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,2,4-Trichlorobenzene   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,1,1-Trichloroethane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,1,2-Trichloroethane  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Trichloroethene  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| Trichlorofluoromethane (Freon 11)  | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |
| 1,2,3-Trichloropropane   | ND         | ug/kg dry         | 5.9            | 2.4         | 1        | 05/15/24 | 05/15/24 18:27  | WB      |

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**Project: DC CAROUSEL** 

# **Analytical Results**

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**Reported:** 05/17/24 10:29

Project Number: 47:17909 Project Manager: Josh Cinnamon

B-1 2.5-5'

# 4050829-01 (Soil) Sampled on: 05/08/24 12:00

|                                  |            |                    | Reporting      | Detection   |          |                |                |         |
|----------------------------------|------------|--------------------|----------------|-------------|----------|----------------|----------------|---------|
| Analyte                          | Result     | Notes Units        | Limit (MRL)    | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B   | (GC/MS) Pr | epared by 5030-GC  | MS (continued) |             |          |                |                |         |
| 1,2,4-Trimethylbenzene           | ND         | ug/kg dry          | 5.9            | 2.4         | 1        | 05/15/24       | 05/15/24 18:27 | WB      |
| 1,3,5-Trimethylbenzene           | ND         | ug/kg dry          | 5.9            | 2.4         | 1        | 05/15/24       | 05/15/24 18:27 | WB      |
| Vinyl chloride                   | ND         | ug/kg dry          | 5.9            | 2.4         | 1        | 05/15/24       | 05/15/24 18:27 | WB      |
| o-Xylene                         | ND         | ug/kg dry          | 5.9            | 2.4         | 1        | 05/15/24       | 05/15/24 18:27 | WB      |
| m- & p-Xylenes                   | ND         | ug/kg dry          | 5.9            | 2.4         | 1        | 05/15/24       | 05/15/24 18:27 | WB      |
| Surrogate: 1,2-Dichloroethane-d4 |            | 70-130             | 104 %          | 05/15/24    |          | 05/15/24 18:27 |                |         |
| Surrogate: Toluene-d8            |            | 75-120             | 95 %           | 05/15/24    |          | 05/15/24 18:27 |                |         |
| Surrogate: 4-Bromofluorobenzene  |            | 65-120             | 102 %          | 05/15/24    |          | 05/15/24 18:27 |                |         |
| Semivolatile Organics by EPA 82  | 270D (GC/M | S) Prepared by 354 | 0-GCMS(Soxhle  | t)          |          |                |                |         |
| Acenaphthene                     | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Acenaphthylene                   | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Anthracene                       | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Benzo[a]anthracene               | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Benzo[b]fluoranthene             | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Benzo[k]fluoranthene             | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Benzo[g,h,i]perylene             | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Benzo[a]pyrene                   | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Chrysene                         | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Dibenz[a,h]anthracene            | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Fluoranthene                     | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Fluorene                         | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Indeno[1,2,3-cd]pyrene           | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| 2-Methylnaphthalene              | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Naphthalene                      | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Phenanthrene                     | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Pyrene                           | ND         | ug/kg dry          | 94             | 94          | 1        | 05/11/24       | 05/14/24 17:30 | EH      |
| Surrogate: 2-Fluorophenol        |            | 23-121             | 90 %           | 05/11/24    |          | 05/14/24 17:30 |                |         |
| Surrogate: Phenol-d5             |            | 24-113             | 93 %           | 05/11/24    |          | 05/14/24 17:30 |                |         |
| Surrogate: Nitrobenzene-d5       |            | 23-120             | 95 %           | 05/11/24    |          | 05/14/24 17:30 |                |         |
| Surrogate: 2,4,6-Tribromophenol  |            | 19-122             | 97 %           | 05/11/24    |          | 05/14/24 17:30 |                |         |
| Surrogate: 2-Fluorobiphenyl      |            | 30-115             | 98 %           | 05/11/24    |          | 05/14/24 17:30 |                |         |
| Surrogate: Terphenyl-d14         |            | 18-137             | 98 %           | 05/11/24    |          | 05/14/24 17:30 |                |         |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

# B-1 2.5-5'

# 4050829-01 (Soil) Sampled on: 05/08/24 12:00

|   |             |                     | inpica on: 03/00 |                    |          |                |                |         |
|---|-------------|---------------------|------------------|--------------------|----------|----------------|----------------|---------|
|   |             |                     | Reporting        | Detection          | 5.1      |                |                |         |
| Analyte                                 | Result      | Notes Units         | Limit (MRL)      | Limit (LOD)        | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANICS                 | S BY EPA 5  | 5030/8015C Prepare  | d by 5030-GC     |                    |          |                |                |         |
| Gasoline-Range Organics                 | ND          | mg/kg dry           | 0.12             | 0.12               | 1        | 05/14/24       | 05/14/24 20:48 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |             | 85-115              | 102 %            | 05/14/24           |          | 05/14/24 20:48 |                |         |
| DIESEL RANGE ORGANICS BY                | ZEPA 3540   | /8015C Prepared by  | y 3540-GC(Soxl   | nlet)              |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND          | mg/kg dry           | 9.4              | 9.4                | 1        | 05/13/24       | 05/14/24 15:34 | TS      |
| Surrogate: o-Terphenyl                  |             | 70-130              | 96 %             | 05/13/24           |          | 05/14/24 15:34 |                |         |
| PERCENT SOLIDS BY ASTM D                | 2216-05 Pr  | epared by Percent S | Solids           |                    |          |                |                |         |
| Percent Solids                          | 85          | %                   |                  |                    | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYLS               | S BY EPA 80 | 82A (GC/ECD) Prepa  | red by 3540-GC(  | Soxhlet) ClPestPCl | В        |                |                |         |
| Aroclor-1016                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1221                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1232                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1242                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1248                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1254                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1260                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1262                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Aroclor-1268                            | ND          | ug/kg dry           | 47.2             | 47.2               | 1        | 05/12/24       | 05/13/24 17:22 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |             | 40-150              | 99 %             | 05/12/24           |          | 05/13/24 17:22 |                |         |
| Surrogate: Decachlorobiphenyl           |             | 40-150              | 83 %             | 05/12/24           |          | 05/13/24 17:22 |                |         |
| <b>Total Metals Analysis by EPA 602</b> | 0B Prepare  | ed by 3050B-Metals  | Digestion        |                    |          |                |                |         |
| Arsenic                                 | 5.10        | mg/kg dry           | 0.295            | 0.295              | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |
| Barium                                  | 56.1        | mg/kg dry           | 0.295            | 0.295              | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |
| Cadmium                                 | ND          | mg/kg dry           | 0.295            | 0.295              | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |
| Chromium                                | 18.5        | mg/kg dry           | 0.295            | 0.295              | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |
| Lead                                    | 10.8        | mg/kg dry           | 0.295            | 0.295              | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |
| Mercury                                 | 0.0376      | mg/kg dry           | 0.0147           | 0.0147             | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |
| Selenium                                | 0.903       | mg/kg dry           | 0.295            | 0.295              | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |
| Silver                                  | ND          | mg/kg dry           | 0.295            | 0.295              | 1        | 05/09/24       | 05/10/24 21:35 | AWH     |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-1 10.5-13'

4050829-02 (Soil) Sampled on: 05/08/24 12:05

|                                |         |             | nipicu on. 05/00 |                          |          |          |                |           |
|--------------------------------|---------|-------------|------------------|--------------------------|----------|----------|----------------|-----------|
| Amalista                       | D agult | Notes Units | Reporting        | Detection<br>Limit (LOD) | Dilutio  | Duomonod | Amalyzad       | A malvi-t |
| Analyte                        |         |             | Limit (MRL)      | Limit (LOD)              | Dilution | Prepared | Analyzed       | Analyst   |
| Volatile Organics by EPA 8260B |         |             |                  | 10.0                     |          | 05/15/04 | 05/15/04 10 55 | H/D       |
| Acetone                        | ND      | ug/kg dry   | 10.9             | 10.9                     | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| tert-Amyl alcohol (TAA)        | ND      | ug/kg dry   | 54.5             | 54.5                     | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| tert-Amyl methyl ether (TAME)  | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Benzene                        | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Bromobenzene                   | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Bromochloromethane             | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Bromodichloromethane           | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Bromoform                      | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Bromomethane                   | ND      | ug/kg dry   | 5.4              | 5.4                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| tert-Butanol (TBA)             | ND      | ug/kg dry   | 54.5             | 54.5                     | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 2-Butanone (MEK)               | ND      | ug/kg dry   | 10.9             | 10.9                     | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| n-Butylbenzene                 | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| sec-Butylbenzene               | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| tert-Butylbenzene              | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Carbon disulfide               | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Carbon tetrachloride           | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Chlorobenzene                  | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Chloroethane                   | ND      | ug/kg dry   | 5.4              | 5.4                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Chloroform                     | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Chloromethane                  | ND      | ug/kg dry   | 5.4              | 5.4                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 2-Chlorotoluene                | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 4-Chlorotoluene                | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1,2-Dibromo-3-chloropropane    | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Dibromochloromethane           | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1,2-Dibromoethane (EDB)        | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Dibromomethane                 | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1,2-Dichlorobenzene            | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1,3-Dichlorobenzene            | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1,4-Dichlorobenzene            | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| Dichlorodifluoromethane        | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1,1-Dichloroethane             | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1,2-Dichloroethane             | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| 1.1-Dichloroethene             | ND      | ug/kg dry   | 5.4              | 2.2                      | 1        | 05/15/24 | 05/15/24 18:55 | WB        |
| ,                              |         | 007         |                  |                          |          |          |                |           |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

# B-1 10.5-13'

4050829-02 (Soil) Sampled on: 05/08/24 12:05

|                                   |             |                 | Reporting     | Detection   |          |          |                |         |
|-----------------------------------|-------------|-----------------|---------------|-------------|----------|----------|----------------|---------|
| Analyte                           | Result N    | Notes Units     | Limit (MRL)   | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B (  | GC/MS) Prep | ared by 5030-GC | MS (continued | )           |          |          |                |         |
| cis-1,2-Dichloroethene            | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| trans-1,2-Dichloroethene          | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Dichlorofluoromethane             | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,2-Dichloropropane               | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,3-Dichloropropane               | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 2,2-Dichloropropane               | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,1-Dichloropropene               | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| cis-1,3-Dichloropropene           | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| trans-1,3-Dichloropropene         | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Diisopropyl ether (DIPE)          | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Ethyl tert-butyl ether (ETBE)     | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Ethylbenzene                      | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Hexachlorobutadiene               | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 2-Hexanone                        | ND          | ug/kg dry       | 10.9          | 10.9        | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| sopropylbenzene (Cumene)          | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 4-Isopropyltoluene                | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Methyl tert-butyl ether (MTBE)    | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 4-Methyl-2-pentanone              | ND          | ug/kg dry       | 10.9          | 10.9        | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Methylene chloride                | 24.0        | L ug/kg dry     | 21.8          | 21.8        | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Naphthalene                       | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| n-Propylbenzene                   | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Styrene                           | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,1,1,2-Tetrachloroethane         | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,1,2,2-Tetrachloroethane         | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Tetrachloroethene                 | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Toluene                           | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,2,3-Trichlorobenzene            | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| ,2,4-Trichlorobenzene             | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,1,1-Trichloroethane             | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,1,2-Trichloroethane             | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Trichloroethene                   | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| Trichlorofluoromethane (Freon 11) | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |
| 1,2,3-Trichloropropane            | ND          | ug/kg dry       | 5.4           | 2.2         | 1        | 05/15/24 | 05/15/24 18:55 | WB      |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-1 10.5-13'

4050829-02 (Soil) Sampled on: 05/08/24 12:05

|                                  |            |                     | Reporting      | Detection   |          |                |                |         |
|----------------------------------|------------|---------------------|----------------|-------------|----------|----------------|----------------|---------|
| Analyte                          | Result     | Notes Units         | Limit (MRL)    | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B   | (GC/MS) Pr | epared by 5030-GC   | MS (continued) |             |          |                |                |         |
| 1,2,4-Trimethylbenzene           | ND         | ug/kg dry           | 5.4            | 2.2         | 1        | 05/15/24       | 05/15/24 18:55 | WB      |
| 1,3,5-Trimethylbenzene           | ND         | ug/kg dry           | 5.4            | 2.2         | 1        | 05/15/24       | 05/15/24 18:55 | WB      |
| Vinyl chloride                   | ND         | ug/kg dry           | 5.4            | 2.2         | 1        | 05/15/24       | 05/15/24 18:55 | WB      |
| o-Xylene                         | ND         | ug/kg dry           | 5.4            | 2.2         | 1        | 05/15/24       | 05/15/24 18:55 | WB      |
| m- & p-Xylenes                   | ND         | ug/kg dry           | 5.4            | 2.2         | 1        | 05/15/24       | 05/15/24 18:55 | WB      |
| Surrogate: 1,2-Dichloroethane-d4 |            | 70-130              | 103 %          | 05/15/24    |          | 05/15/24 18:55 |                |         |
| Surrogate: Toluene-d8            |            | 75-120              | 94 %           | 05/15/24    |          | 05/15/24 18:55 |                |         |
| Surrogate: 4-Bromofluorobenzene  |            | 65-120              | 99 %           | 05/15/24    |          | 05/15/24 18:55 |                |         |
| Semivolatile Organics by EPA 82  | 70D (GC/M  | S) Prepared by 3540 | 0-GCMS(Soxhle  | t)          |          |                |                |         |
| Acenaphthene                     | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Acenaphthylene                   | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Anthracene                       | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Benzo[a]anthracene               | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Benzo[b]fluoranthene             | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Benzo[k]fluoranthene             | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Benzo[g,h,i]perylene             | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Benzo[a]pyrene                   | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Chrysene                         | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Dibenz[a,h]anthracene            | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Fluoranthene                     | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Fluorene                         | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Indeno[1,2,3-cd]pyrene           | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| 2-Methylnaphthalene              | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Naphthalene                      | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Phenanthrene                     | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Pyrene                           | ND         | ug/kg dry           | 87             | 87          | 1        | 05/11/24       | 05/14/24 17:51 | EH      |
| Surrogate: 2-Fluorophenol        |            | 23-121              | 90 %           | 05/11/24    |          | 05/14/24 17:51 |                |         |
| Surrogate: Phenol-d5             |            | 24-113              | 94 %           | 05/11/24    |          | 05/14/24 17:51 |                |         |
| Surrogate: Nitrobenzene-d5       |            | 23-120              | 95 %           | 05/11/24    |          | 05/14/24 17:51 |                |         |
| Surrogate: 2,4,6-Tribromophenol  |            | 19-122              | 99 %           | 05/11/24    |          | 05/14/24 17:51 |                |         |
| Surrogate: 2-Fluorobiphenyl      |            | 30-115              | 101 %          | 05/11/24    |          | 05/14/24 17:51 |                |         |
| Surrogate: Terphenyl-d14         |            | 18-137              | 104 %          | 05/11/24    |          | 05/14/24 17:51 |                |         |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL**Project Number: 47:17909

Project Manager: Josh Cinnamon

B-1 10.5-13'

# 4050829-02 (Soil) Sampled on: 05/08/24 12:05

|   |            |                     | Reporting       | Detection         |          |                |                |         |
|---|------------|---------------------|-----------------|-------------------|----------|----------------|----------------|---------|
| Analyte                                 | Result     | Notes Units         | Limit (MRL)     | Limit (LOD)       | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANICS                 | BY EPA 5   | 5030/8015C Prepare  | ed by 5030-GC   |                   |          |                |                |         |
| Gasoline-Range Organics                 | ND         | mg/kg dry           | 0.11            | 0.11              | 1        | 05/14/24       | 05/14/24 21:15 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |            | 85-115              | 102 %           | 05/14/24          |          | 05/14/24 21:15 |                |         |
| DIESEL RANGE ORGANICS BY                | EPA 3540   | /8015C Prepared by  | y 3540-GC(Soxl  | ılet)             |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND         | mg/kg dry           | 8.7             | 8.7               | 1        | 05/13/24       | 05/14/24 15:59 | TS      |
| Surrogate: o-Terphenyl                  |            | 70-130              | 117 %           | 05/13/24          |          | 05/14/24 15:59 |                |         |
| PERCENT SOLIDS BY ASTM D                | 2216-05 Pr | epared by Percent S | Solids          |                   |          |                |                |         |
| Percent Solids                          | 92         | %                   |                 |                   | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYLS               | BY EPA 80  | 82A (GC/ECD) Prepa  | red by 3540-GC( | Soxhlet) ClPestPC | В        |                |                |         |
| Aroclor-1016                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1221                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1232                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1242                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1248                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1254                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1260                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1262                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Aroclor-1268                            | ND         | ug/kg dry           | 43.6            | 43.6              | 1        | 05/12/24       | 05/13/24 17:35 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |            | 40-150              | 105 %           | 05/12/24          |          | 05/13/24 17:35 |                |         |
| Surrogate: Decachlorobiphenyl           |            | 40-150              | 88 %            | 05/12/24          |          | 05/13/24 17:35 |                |         |
| Total Metals Analysis by EPA 6020       | B Prepare  | ed by 3050B-Metals  | Digestion       |                   |          |                |                |         |
| Arsenic                                 | 3.62       | mg/kg dry           | 0.272           | 0.272             | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |
| Barium                                  | 24.4       | mg/kg dry           | 0.272           | 0.272             | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |
| Cadmium                                 | ND         | mg/kg dry           | 0.272           | 0.272             | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |
| Chromium                                | 10.2       | mg/kg dry           | 0.272           | 0.272             | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |
| Lead                                    | 5.32       | mg/kg dry           | 0.272           | 0.272             | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |
| Mercury                                 | ND         | mg/kg dry           | 0.0136          | 0.0136            | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |
| Selenium                                | 0.911      | mg/kg dry           | 0.272           | 0.272             | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |
| Silver                                  | ND         | mg/kg dry           | 0.272           | 0.272             | 1        | 05/15/24       | 05/16/24 17:04 | AWH     |

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**Reported:** 05/17/24 10:29

Project: DC CAROUSEL

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-2 2.5-5'

# 4050829-03 (Soil) Sampled on: 05/08/24 12:10

|                                |              | Sa               | mpied on: 05/08          | 0/24 12.10               |          |          |                |         |
|--------------------------------|--------------|------------------|--------------------------|--------------------------|----------|----------|----------------|---------|
| Analyte                        | Result 1     | Notes Units      | Reporting<br>Limit (MRL) | Detection<br>Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B | (GC/MS) Prep | pared by 5030-GC | CMS                      |                          |          |          |                |         |
| Acetone                        | ND           | ug/kg dry        | 12.2                     | 12.2                     | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ert-Amyl alcohol (TAA)         | ND           | ug/kg dry        | 61.1                     | 61.1                     | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ert-Amyl methyl ether (TAME)   | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Benzene                        | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Bromobenzene                   | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Bromochloromethane             | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Bromodichloromethane           | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Bromoform                      | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Bromomethane                   | ND           | ug/kg dry        | 6.1                      | 6.1                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ert-Butanol (TBA)              | ND           | ug/kg dry        | 61.1                     | 61.1                     | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| -Butanone (MEK)                | ND           | ug/kg dry        | 12.2                     | 12.2                     | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ı-Butylbenzene                 | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ec-Butylbenzene                | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ert-Butylbenzene               | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Carbon disulfide               | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Carbon tetrachloride           | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Chlorobenzene                  | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Chloroethane                   | ND           | ug/kg dry        | 6.1                      | 6.1                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Chloroform                     | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Chloromethane                  | ND           | ug/kg dry        | 6.1                      | 6.1                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| -Chlorotoluene                 | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| l-Chlorotoluene                | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,2-Dibromo-3-chloropropane     | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Dibromochloromethane           | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,2-Dibromoethane (EDB)         | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Dibromomethane                 | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,2-Dichlorobenzene             | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,3-Dichlorobenzene             | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,4-Dichlorobenzene             | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Dichlorodifluoromethane        | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,1-Dichloroethane              | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,2-Dichloroethane              | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| ,1-Dichloroethene              | ND           | ug/kg dry        | 6.1                      | 2.4                      | 1        | 05/15/24 | 05/15/24 19:22 | WB      |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-2 2.5-5'

4050829-03 (Soil) Sampled on: 05/08/24 12:10

|  |           |                  | Reporting      | Detection   |          |          |                |         |
|--|-----------|------------------|----------------|-------------|----------|----------|----------------|---------|
| Analyte  | Result    | Notes Units      | Limit (MRL)    | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B (Control of the Control of the Cont | GC/MS) Pr | epared by 5030-G | CMS (continued | )           |          |          |                |         |
| cis-1,2-Dichloroethene   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| trans-1,2-Dichloroethene   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Dichlorofluoromethane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,2-Dichloropropane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,3-Dichloropropane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 2,2-Dichloropropane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,1-Dichloropropene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| cis-1,3-Dichloropropene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| trans-1,3-Dichloropropene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Diisopropyl ether (DIPE)   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Ethyl tert-butyl ether (ETBE)  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Ethylbenzene   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Hexachlorobutadiene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 2-Hexanone   | ND        | ug/kg dry        | 12.2           | 12.2        | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| (Sopropylbenzene (Cumene)  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 4-Isopropyltoluene   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Methyl tert-butyl ether (MTBE)   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 4-Methyl-2-pentanone   | ND        | ug/kg dry        | 12.2           | 12.2        | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Methylene chloride   | 31.3      | L ug/kg dry      | 24.4           | 24.4        | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Naphthalene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| n-Propylbenzene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Styrene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,1,1,2-Tetrachloroethane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,1,2,2-Tetrachloroethane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Tetrachloroethene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Toluene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,2,3-Trichlorobenzene   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,2,4-Trichlorobenzene   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,1,1-Trichloroethane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,1,2-Trichloroethane  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Trichloroethene  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| Trichlorofluoromethane (Freon 11)  | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |
| 1,2,3-Trichloropropane   | ND        | ug/kg dry        | 6.1            | 2.4         | 1        | 05/15/24 | 05/15/24 19:22 | WB      |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-2 2.5-5'

# 4050829-03 (Soil) Sampled on: 05/08/24 12:10

|                                  |           |                     | Reporting      | Detection   |          |                |                |         |
|----------------------------------|-----------|---------------------|----------------|-------------|----------|----------------|----------------|---------|
| Analyte                          | Result    | Notes Units         | Limit (MRL)    | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B ( | GC/MS) Pı | repared by 5030-GC  | MS (continued) |             |          |                |                |         |
| 1,2,4-Trimethylbenzene           | ND        | ug/kg dry           | 6.1            | 2.4         | 1        | 05/15/24       | 05/15/24 19:22 | WB      |
| 1,3,5-Trimethylbenzene           | ND        | ug/kg dry           | 6.1            | 2.4         | 1        | 05/15/24       | 05/15/24 19:22 | WB      |
| Vinyl chloride                   | ND        | ug/kg dry           | 6.1            | 2.4         | 1        | 05/15/24       | 05/15/24 19:22 | WB      |
| o-Xylene                         | ND        | ug/kg dry           | 6.1            | 2.4         | 1        | 05/15/24       | 05/15/24 19:22 | WB      |
| m- & p-Xylenes                   | ND        | ug/kg dry           | 6.1            | 2.4         | 1        | 05/15/24       | 05/15/24 19:22 | WB      |
| Surrogate: 1,2-Dichloroethane-d4 |           | 70-130              | 104 %          | 05/15/24    |          | 05/15/24 19:22 |                |         |
| Surrogate: Toluene-d8            |           | 75-120              | 99 %           | 05/15/24    |          | 05/15/24 19:22 |                |         |
| Surrogate: 4-Bromofluorobenzene  |           | 65-120              | 92 %           | 05/15/24    |          | 05/15/24 19:22 |                |         |
| Semivolatile Organics by EPA 827 | 0D (GC/M  | S) Prepared by 3540 | O-GCMS(Soxhle  | t)          |          |                |                |         |
| Acenaphthene                     | ND        | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Acenaphthylene                   | ND        | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Anthracene                       | ND        | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Benzo[a]anthracene               | 320       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Benzo[b]fluoranthene             | 490       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Benzo[k]fluoranthene             | 160       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Benzo[g,h,i]perylene             | 260       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Benzo[a]pyrene                   | 350       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Chrysene                         | 330       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Dibenz[a,h]anthracene            | ND        | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Fluoranthene                     | 550       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Fluorene                         | ND        | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Indeno[1,2,3-cd]pyrene           | 250       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| 2-Methylnaphthalene              | ND        | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Naphthalene                      | ND        | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Phenanthrene                     | 350       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Pyrene                           | 530       | ug/kg dry           | 98             | 98          | 1        | 05/11/24       | 05/14/24 18:12 | EH      |
| Surrogate: 2-Fluorophenol        |           | 23-121              | 61 %           | 05/11/24    |          | 05/14/24 18:12 |                |         |
| Surrogate: Phenol-d5             |           | 24-113              | 65 %           | 05/11/24    |          | 05/14/24 18:12 |                |         |
| Surrogate: Nitrobenzene-d5       |           | 23-120              | 67 %           | 05/11/24    |          | 05/14/24 18:12 |                |         |
| Surrogate: 2,4,6-Tribromophenol  |           | 19-122              | 63 %           | 05/11/24    |          | 05/14/24 18:12 |                |         |
| Surrogate: 2-Fluorobiphenyl      |           | 30-115              | 68 %           | 05/11/24    |          | 05/14/24 18:12 |                |         |
| Surrogate: Terphenyl-d14         |           | 18-137              | 68 %           | 05/11/24    |          | 05/14/24 18:12 |                |         |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-2 2.5-5'

### 4050829-03 (Soil) Sampled on: 05/08/24 12:10

|   |            |                    | Reporting        | Detection         |          |                |                |         |
|---|------------|--------------------|------------------|-------------------|----------|----------------|----------------|---------|
| Analyte                                 | Result     | Notes Units        | Limit (MRL)      | Limit (LOD)       | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANICS                 | BY EPA 5   | 5030/8015C Prepar  | ed by 5030-GC    |                   |          |                |                |         |
| Gasoline-Range Organics                 | ND         | mg/kg dry          | 0.12             | 0.12              | 1        | 05/14/24       | 05/14/24 21:43 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |            | 85-115             | 100 %            | 05/14/24          |          | 05/14/24 21:43 |                |         |
| DIESEL RANGE ORGANICS BY                | EPA 3540   | /8015C Prepared b  | y 3540-GC(Soxl   | nlet)             |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | 41.7       | mg/kg dry          | 9.8              | 9.8               | 1        | 05/13/24       | 05/14/24 16:24 | TS      |
| Surrogate: o-Terphenyl                  |            | 70-130             | 95 %             | 05/13/24          |          | 05/14/24 16:24 |                |         |
| PERCENT SOLIDS BY ASTM D                | 2216-05 Pr | epared by Percent  | Solids           |                   |          |                |                |         |
| Percent Solids                          | 82         | %                  |                  |                   | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYLS               | BY EPA 80  | 082A (GC/ECD) Prep | ared by 3540-GC( | Soxhlet) ClPestPC | В        |                |                |         |
| Aroclor-1016                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1221                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1232                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1242                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1248                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1254                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1260                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1262                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Aroclor-1268                            | ND         | ug/kg dry          | 48.8             | 48.8              | 1        | 05/12/24       | 05/13/24 17:49 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |            | 40-150             | 105 %            | 05/12/24          |          | 05/13/24 17:49 |                |         |
| Surrogate: Decachlorobiphenyl           |            | 40-150             | 87 %             | 05/12/24          |          | 05/13/24 17:49 |                |         |
| Total Metals Analysis by EPA 6020       | B Prepare  | ed by 3050B-Metals | Digestion        |                   |          |                |                |         |
| Arsenic                                 | 7.23       | mg/kg dry          | 0.305            | 0.305             | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |
| Barium                                  | 93.4       | mg/kg dry          | 0.305            | 0.305             | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |
| Cadmium                                 | ND         | mg/kg dry          | 0.305            | 0.305             | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |
| Chromium                                | 20.0       | mg/kg dry          | 0.305            | 0.305             | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |
| Lead                                    | 60.6       | mg/kg dry          | 0.305            | 0.305             | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |
| Mercury                                 | 0.259      | mg/kg dry          | 0.0153           | 0.0153            | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |
| Selenium                                | 2.30       | mg/kg dry          | 0.305            | 0.305             | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |
| Silver                                  | ND         | mg/kg dry          | 0.305            | 0.305             | 1        | 05/15/24       | 05/16/24 17:06 | AWH     |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-2 11.5-14'

### 4050829-04 (Soil) Sampled on: 05/08/24 12:15

| Sampled on: 05/08/24 12:15     |             |                   |             |             |          |          |                |         |  |  |
|--------------------------------|-------------|-------------------|-------------|-------------|----------|----------|----------------|---------|--|--|
|                                |             |                   | Reporting   | Detection   |          |          |                |         |  |  |
| Analyte                        |             | Notes Units       | Limit (MRL) | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |  |  |
| Volatile Organics by EPA 8260B | (GC/MS) Pro | epared by 5030-GC | MS          |             |          |          |                |         |  |  |
| Acetone                        | ND          | ug/kg dry         | 10.8        | 10.8        | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| tert-Amyl alcohol (TAA)        | ND          | ug/kg dry         | 53.8        | 53.8        | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| tert-Amyl methyl ether (TAME)  | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Benzene                        | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Bromobenzene                   | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Bromochloromethane             | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Bromodichloromethane           | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Bromoform                      | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Bromomethane                   | ND          | ug/kg dry         | 5.4         | 5.4         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ert-Butanol (TBA)              | ND          | ug/kg dry         | 53.8        | 53.8        | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| 2-Butanone (MEK)               | ND          | ug/kg dry         | 10.8        | 10.8        | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| n-Butylbenzene                 | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ec-Butylbenzene                | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ert-Butylbenzene               | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Carbon disulfide               | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Carbon tetrachloride           | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Chlorobenzene                  | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Chloroethane                   | ND          | ug/kg dry         | 5.4         | 5.4         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Chloroform                     | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Chloromethane                  | ND          | ug/kg dry         | 5.4         | 5.4         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| 2-Chlorotoluene                | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| 1-Chlorotoluene                | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ,2-Dibromo-3-chloropropane     | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Dibromochloromethane           | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ,2-Dibromoethane (EDB)         | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Dibromomethane                 | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ,2-Dichlorobenzene             | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ,3-Dichlorobenzene             | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ,4-Dichlorobenzene             | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| Dichlorodifluoromethane        | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| ,1-Dichloroethane              | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| 1,2-Dichloroethane             | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |
| 1,1-Dichloroethene             | ND          | ug/kg dry         | 5.4         | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |  |  |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-2 11.5-14'

### 4050829-04 (Soil) Sampled on: 05/08/24 12:15

|                                   |           |                  | Reporting      | Detection   |          |          |                |         |
|-----------------------------------|-----------|------------------|----------------|-------------|----------|----------|----------------|---------|
| Analyte                           | Result    | Notes Units      | Limit (MRL)    | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B (  | GC/MS) Pr | epared by 5030-G | CMS (continued |             |          |          |                |         |
| cis-1,2-Dichloroethene            | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| trans-1,2-Dichloroethene          | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Dichlorofluoromethane             | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 1,2-Dichloropropane               | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 1,3-Dichloropropane               | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 2,2-Dichloropropane               | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 1,1-Dichloropropene               | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| cis-1,3-Dichloropropene           | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| trans-1,3-Dichloropropene         | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Diisopropyl ether (DIPE)          | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Ethyl tert-butyl ether (ETBE)     | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Ethylbenzene                      | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Hexachlorobutadiene               | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 2-Hexanone                        | ND        | ug/kg dry        | 10.8           | 10.8        | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| sopropylbenzene (Cumene)          | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| l-Isopropyltoluene                | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Methyl tert-butyl ether (MTBE)    | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 1-Methyl-2-pentanone              | ND        | ug/kg dry        | 10.8           | 10.8        | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Methylene chloride                | 22.3      | L ug/kg dry      | 21.5           | 21.5        | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Naphthalene                       | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| n-Propylbenzene                   | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Styrene                           | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| ,1,1,2-Tetrachloroethane          | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| ,1,2,2-Tetrachloroethane          | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Tetrachloroethene                 | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Toluene                           | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| ,2,3-Trichlorobenzene             | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| ,2,4-Trichlorobenzene             | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| ,1,1-Trichloroethane              | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 1,1,2-Trichloroethane             | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Γrichloroethene                   | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| Γrichlorofluoromethane (Freon 11) | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |
| 1,2,3-Trichloropropane            | ND        | ug/kg dry        | 5.4            | 2.2         | 1        | 05/15/24 | 05/15/24 19:50 | WB      |

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**Reported:** 05/17/24 10:29

Project: DC CAROUSEL

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-2 11.5-14'

4050829-04 (Soil) Sampled on: 05/08/24 12:15

|                                   |          |            |           | Reporting       | Detection   |          |                |                |          |
|-----------------------------------|----------|------------|-----------|-----------------|-------------|----------|----------------|----------------|----------|
| Analyte                           | Result   | Notes      | Units     | Limit (MRL)     | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst  |
| Volatile Organics by EPA 8260B (G | C/MS) Pı | repared by | 5030-GC   | CMS (continued) |             |          |                |                |          |
| 1,2,4-Trimethylbenzene            | ND       |            | ug/kg dry | 5.4             | 2.2         | 1        | 05/15/24       | 05/15/24 19:50 | WB       |
| 1,3,5-Trimethylbenzene            | ND       |            | ug/kg dry | 5.4             | 2.2         | 1        | 05/15/24       | 05/15/24 19:50 | WB       |
| Vinyl chloride                    | ND       |            | ug/kg dry | 5.4             | 2.2         | 1        | 05/15/24       | 05/15/24 19:50 | WB       |
| o-Xylene                          | ND       |            | ug/kg dry | 5.4             | 2.2         | 1        | 05/15/24       | 05/15/24 19:50 | WB       |
| m- & p-Xylenes                    | ND       |            | ug/kg dry | 5.4             | 2.2         | 1        | 05/15/24       | 05/15/24 19:50 | WB       |
| Surrogate: 1,2-Dichloroethane-d4  |          | 70-        | -130      | 102 %           | 05/15/24    | 1        | 05/15/24 19:50 |                |          |
| Surrogate: Toluene-d8             |          | 75-        | -120      | 94 %            | 05/15/24    | 1        | 05/15/24 19:50 |                |          |
| Surrogate: 4-Bromofluorobenzene   |          | 65-        | -120      | 99 %            | 05/15/24    | 1        | 05/15/24 19:50 |                |          |
| Semivolatile Organics by EPA 8270 | D (GC/M  | S) Prepare | ed by 354 | 0-GCMS(Soxhle   | t)          |          |                |                |          |
| Acenaphthene                      | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Acenaphthylene                    | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Anthracene                        | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Benzo[a]anthracene                | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Benzo[b]fluoranthene              | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Benzo[k]fluoranthene              | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Benzo[g,h,i]perylene              | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Benzo[a]pyrene                    | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Chrysene                          | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Dibenz[a,h]anthracene             | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Fluoranthene                      | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Fluorene                          | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Indeno[1,2,3-cd]pyrene            | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| 2-Methylnaphthalene               | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Naphthalene                       | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Phenanthrene                      | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Pyrene                            | ND       |            | ug/kg dry | 86              | 86          | 1        | 05/11/24       | 05/14/24 18:33 | EH       |
| Surrogate: 2-Fluorophenol         | <u></u>  | 23-        | -121      | 91 %            | 05/11/24    | 1        | 05/14/24 18:33 |                | <u> </u> |
| Surrogate: Phenol-d5              |          | 24-        | -113      | 96 %            | 05/11/24    | t .      | 05/14/24 18:33 |                |          |
| Surrogate: Nitrobenzene-d5        |          | 23-        | -120      | 95 %            | 05/11/24    | 1        | 05/14/24 18:33 |                |          |
| Surrogate: 2,4,6-Tribromophenol   |          | 19-        | -122      | 102 %           | 05/11/24    | t .      | 05/14/24 18:33 |                |          |
| Surrogate: 2-Fluorobiphenyl       |          | 30-        | -115      | 99 %            | 05/11/24    | t        | 05/14/24 18:33 |                |          |
| Surrogate: Terphenyl-d14          |          | 18-        | -137      | 101 %           | 05/11/24    | 1        | 05/14/24 18:33 |                |          |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-2 11.5-14'

### 4050829-04 (Soil) Sampled on: 05/08/24 12:15

|   |          |                     | Reporting       | Detection          |          |                |                |         |
|---|----------|---------------------|-----------------|--------------------|----------|----------------|----------------|---------|
| Analyte                                 | Result   | Notes Units         | Limit (MRL)     | Limit (LOD)        | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANICS B               | Y EPA 5  | 5030/8015C Prepare  | d by 5030-GC    |                    |          |                |                |         |
| Gasoline-Range Organics                 | ND       | mg/kg dry           | 0.11            | 0.11               | 1        | 05/14/24       | 05/14/24 22:10 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |          | 85-115              | 102 %           | 05/14/24           |          | 05/14/24 22:10 |                |         |
| DIESEL RANGE ORGANICS BY E              | PA 3540  | /8015C Prepared by  | 3540-GC(Sox1    | ılet)              |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND       | mg/kg dry           | 8.6             | 8.6                | 1        | 05/13/24       | 05/14/24 16:49 | TS      |
| Surrogate: o-Terphenyl                  |          | 70-130              | 74 %            | 05/13/24           |          | 05/14/24 16:49 |                |         |
| PERCENT SOLIDS BY ASTM D221             | 6-05 Pr  | epared by Percent S | olids           |                    |          |                |                |         |
| Percent Solids                          | 93       | %                   |                 |                    | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYLS BY            | Y EPA 80 | 82A (GC/ECD) Prepa  | red by 3540-GC( | Soxhlet) ClPestPCl | В        |                |                |         |
| Aroclor-1016                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1221                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1232                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1242                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1248                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1254                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1260                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1262                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Aroclor-1268                            | ND       | ug/kg dry           | 43.0            | 43.0               | 1        | 05/12/24       | 05/13/24 18:03 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |          | 40-150              | 107 %           | 05/12/24           |          | 05/13/24 18:03 |                |         |
| Surrogate: Decachlorobiphenyl           |          | 40-150              | 91 %            | 05/12/24           |          | 05/13/24 18:03 |                |         |
| Total Metals Analysis by EPA 6020B      | Prepare  | d by 3050B-Metals   | Digestion       |                    |          |                |                |         |
| Arsenic                                 | 3.16     | mg/kg dry           | 0.269           | 0.269              | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |
| Barium                                  | 21.2     | mg/kg dry           | 0.269           | 0.269              | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |
| Cadmium                                 | ND       | mg/kg dry           | 0.269           | 0.269              | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |
| Chromium                                | 7.94     | mg/kg dry           | 0.269           | 0.269              | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |
| Lead                                    | 4.37     | mg/kg dry           | 0.269           | 0.269              | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |
| Mercury                                 | ND       | mg/kg dry           | 0.0134          | 0.0134             | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |
| Selenium                                | 0.864    | mg/kg dry           | 0.269           | 0.269              | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |
| Silver                                  | ND       | mg/kg dry           | 0.269           | 0.269              | 1        | 05/15/24       | 05/16/24 17:32 | AWH     |

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**Reported:** 05/17/24 10:29

Project: DC CAROUSEL

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-3 2.5-5'

### 4050829-05 (Soil) Sampled on: 05/08/24 12:30

|                                |        |             | mpied on: U5/U8 |             |          |          |                |         |
|--------------------------------|--------|-------------|-----------------|-------------|----------|----------|----------------|---------|
|                                |        |             | Reporting       | Detection   |          |          |                |         |
| Analyte                        | Result | Notes Units | Limit (MRL)     | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B |        |             |                 |             |          |          |                |         |
| Acetone                        | ND     | ug/kg dry   | 12.0            | 12.0        | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| tert-Amyl alcohol (TAA)        | ND     | ug/kg dry   | 60.0            | 60.0        | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| tert-Amyl methyl ether (TAME)  | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Benzene                        | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Bromobenzene                   | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Bromochloromethane             | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Bromodichloromethane           | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Bromoform                      | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Bromomethane                   | ND     | ug/kg dry   | 6.0             | 6.0         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| tert-Butanol (TBA)             | ND     | ug/kg dry   | 60.0            | 60.0        | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 2-Butanone (MEK)               | ND     | ug/kg dry   | 12.0            | 12.0        | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| n-Butylbenzene                 | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| sec-Butylbenzene               | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| tert-Butylbenzene              | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Carbon disulfide               | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Carbon tetrachloride           | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Chlorobenzene                  | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Chloroethane                   | ND     | ug/kg dry   | 6.0             | 6.0         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Chloroform                     | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Chloromethane                  | ND     | ug/kg dry   | 6.0             | 6.0         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 2-Chlorotoluene                | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 4-Chlorotoluene                | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,2-Dibromo-3-chloropropane    | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Dibromochloromethane           | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,2-Dibromoethane (EDB)        | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Dibromomethane                 | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,2-Dichlorobenzene            | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,3-Dichlorobenzene            | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,4-Dichlorobenzene            | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Dichlorodifluoromethane        | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,1-Dichloroethane             | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,2-Dichloroethane             | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1.1-Dichloroethene             | ND     | ug/kg dry   | 6.0             | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |

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**Reported:** 05/17/24 10:29

Project Number: 47:17909 Project Manager: Josh Cinnamon

**Project: DC CAROUSEL** 

B-3 2.5-5'

4050829-05 (Soil) Sampled on: 05/08/24 12:30

|                                   |             |                  | Reporting      | Detection   |          |          |                |         |
|-----------------------------------|-------------|------------------|----------------|-------------|----------|----------|----------------|---------|
| Analyte                           | Result 1    | Notes Units      | Limit (MRL)    | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B (  | GC/MS) Prep | pared by 5030-GC | MS (continued) |             |          |          |                |         |
| cis-1,2-Dichloroethene            | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| rans-1,2-Dichloroethene           | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Dichlorofluoromethane             | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,2-Dichloropropane               | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 1,3-Dichloropropane               | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| 2,2-Dichloropropane               | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,1-Dichloropropene                | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| sis-1,3-Dichloropropene           | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| rans-1,3-Dichloropropene          | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Diisopropyl ether (DIPE)          | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Ethyl tert-butyl ether (ETBE)     | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Ethylbenzene                      | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Iexachlorobutadiene               | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| -Hexanone                         | ND          | ug/kg dry        | 12.0           | 12.0        | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| sopropylbenzene (Cumene)          | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| -Isopropyltoluene                 | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Methyl tert-butyl ether (MTBE)    | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| -Methyl-2-pentanone               | ND          | ug/kg dry        | 12.0           | 12.0        | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Methylene chloride                | 25.6        | L ug/kg dry      | 24.0           | 24.0        | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Vaphthalene                       | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| -Propylbenzene                    | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Styrene                           | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,1,1,2-Tetrachloroethane          | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,1,2,2-Tetrachloroethane          | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Tetrachloroethene                 | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Coluene                           | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,2,3-Trichlorobenzene             | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,2,4-Trichlorobenzene             | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,1,1-Trichloroethane              | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,1,2-Trichloroethane              | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Trichloroethene                   | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| Trichlorofluoromethane (Freon 11) | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |
| ,2,3-Trichloropropane             | ND          | ug/kg dry        | 6.0            | 2.4         | 1        | 05/15/24 | 05/15/24 20:18 | WB      |

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**Reported:** 05/17/24 10:29

Project: DC CAROUSEL

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-3 2.5-5'

4050829-05 (Soil) Sampled on: 05/08/24 12:30

|                                  |             |                     | Reporting      | Detection   |          |                |                |          |
|----------------------------------|-------------|---------------------|----------------|-------------|----------|----------------|----------------|----------|
| Analyte                          | Result      | Notes Units         | Limit (MRL)    | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst  |
| Volatile Organics by EPA 8260B   | (GC/MS) Pre | epared by 5030-GC   | MS (continued) |             |          |                |                |          |
| 1,2,4-Trimethylbenzene           | ND          | ug/kg dry           | 6.0            | 2.4         | 1        | 05/15/24       | 05/15/24 20:18 | WB       |
| 1,3,5-Trimethylbenzene           | ND          | ug/kg dry           | 6.0            | 2.4         | 1        | 05/15/24       | 05/15/24 20:18 | WB       |
| Vinyl chloride                   | ND          | ug/kg dry           | 6.0            | 2.4         | 1        | 05/15/24       | 05/15/24 20:18 | WB       |
| o-Xylene                         | ND          | ug/kg dry           | 6.0            | 2.4         | 1        | 05/15/24       | 05/15/24 20:18 | WB       |
| m- & p-Xylenes                   | ND          | ug/kg dry           | 6.0            | 2.4         | 1        | 05/15/24       | 05/15/24 20:18 | WB       |
| Surrogate: 1,2-Dichloroethane-d4 |             | 70-130              | 101 %          | 05/15/24    |          | 05/15/24 20:18 |                |          |
| Surrogate: Toluene-d8            |             | 75-120              | 94 %           | 05/15/24    |          | 05/15/24 20:18 |                |          |
| Surrogate: 4-Bromofluorobenzene  |             | 65-120              | 99 %           | 05/15/24    |          | 05/15/24 20:18 |                |          |
| Semivolatile Organics by EPA 82  | 270D (GC/MS | 6) Prepared by 3540 | O-GCMS(Soxhlet | t)          |          |                |                |          |
| Acenaphthene                     | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Acenaphthylene                   | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Anthracene                       | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Benzo[a]anthracene               | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Benzo[b]fluoranthene             | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Benzo[k]fluoranthene             | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Benzo[g,h,i]perylene             | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Benzo[a]pyrene                   | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Chrysene                         | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Dibenz[a,h]anthracene            | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Fluoranthene                     | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Fluorene                         | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Indeno[1,2,3-cd]pyrene           | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| 2-Methylnaphthalene              | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Naphthalene                      | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Phenanthrene                     | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Pyrene                           | ND          | ug/kg dry           | 96             | 96          | 1        | 05/11/24       | 05/14/24 18:54 | EH       |
| Surrogate: 2-Fluorophenol        | <u> </u>    | 23-121              | 88 %           | 05/11/24    |          | 05/14/24 18:54 |                | <u> </u> |
| Surrogate: Phenol-d5             |             | 24-113              | 92 %           | 05/11/24    |          | 05/14/24 18:54 |                |          |
| Surrogate: Nitrobenzene-d5       |             | 23-120              | 95 %           | 05/11/24    |          | 05/14/24 18:54 |                |          |
| Surrogate: 2,4,6-Tribromophenol  |             | 19-122              | 95 %           | 05/11/24    |          | 05/14/24 18:54 |                |          |
| Surrogate: 2-Fluorobiphenyl      |             | 30-115              | 98 %           | 05/11/24    |          | 05/14/24 18:54 |                |          |
| Surrogate: Terphenyl-d14         |             | 18-137              | 100 %          | 05/11/24    |          | 05/14/24 18:54 |                |          |
|                                  |             |                     |                |             |          |                |                |          |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL**Project Number: 47:17909

Project Manager: Josh Cinnamon

B-3 2.5-5'

### 4050829-05 (Soil) Sampled on: 05/08/24 12:30

|   |             |                     | Reporting        | Detection          |          |                |                |         |
|---|-------------|---------------------|------------------|--------------------|----------|----------------|----------------|---------|
| Analyte                                 | Result      | Notes Units         | Limit (MRL)      | Limit (LOD)        | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANIC                  | S BY EPA 5  | 5030/8015C Prepare  | ed by 5030-GC    |                    |          |                |                |         |
| Gasoline-Range Organics                 | ND          | mg/kg dry           | 0.12             | 0.12               | 1        | 05/14/24       | 05/14/24 22:37 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |             | 85-115              | 102 %            | 05/14/24           |          | 05/14/24 22:37 |                |         |
| DIESEL RANGE ORGANICS B                 | Y EPA 3540  | /8015C Prepared b   | y 3540-GC(Soxl   | ılet)              |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND          | mg/kg dry           | 9.6              | 9.6                | 1        | 05/13/24       | 05/14/24 17:14 | TS      |
| Surrogate: o-Terphenyl                  |             | 70-130              | 91 %             | 05/13/24           |          | 05/14/24 17:14 |                |         |
| PERCENT SOLIDS BY ASTM D                | 02216-05 Pr | epared by Percent S | Solids           |                    |          |                |                |         |
| Percent Solids                          | 83          | %                   |                  |                    | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYL                | S BY EPA 80 | 82A (GC/ECD) Prepa  | ared by 3540-GC( | Soxhlet) ClPestPCl | В        |                |                |         |
| Aroclor-1016                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1221                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1232                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1242                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1248                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1254                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1260                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1262                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Aroclor-1268                            | ND          | ug/kg dry           | 48.0             | 48.0               | 1        | 05/12/24       | 05/13/24 18:17 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |             | 40-150              | 96 %             | 05/12/24           |          | 05/13/24 18:17 |                |         |
| Surrogate: Decachlorobiphenyl           |             | 40-150              | 82 %             | 05/12/24           |          | 05/13/24 18:17 |                |         |
| Total Metals Analysis by EPA 602        | 20B Prepare | d by 3050B-Metals   | Digestion        |                    |          |                |                |         |
| Arsenic                                 | 6.03        | mg/kg dry           | 0.300            | 0.300              | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |
| Barium                                  | 61.6        | mg/kg dry           | 0.300            | 0.300              | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |
| Cadmium                                 | ND          | mg/kg dry           | 0.300            | 0.300              | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |
| Chromium                                | 22.7        | mg/kg dry           | 0.300            | 0.300              | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |
| Lead                                    | 10.9        | mg/kg dry           | 0.300            | 0.300              | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |
| Mercury                                 | 0.0430      | mg/kg dry           | 0.0150           | 0.0150             | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |
| Selenium                                | 0.805       | mg/kg dry           | 0.300            | 0.300              | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |
| Silver                                  | ND          | mg/kg dry           | 0.300            | 0.300              | 1        | 05/15/24       | 05/16/24 17:35 | AWH     |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-3 11.5-14'

### 4050829-06 (Soil) Sampled on: 05/08/24 12:35

| Analyse  |                             |                      | 541          | nipicu on. 05/00 |             |          |          |                |           |
|--|-----------------------------|----------------------|--------------|------------------|-------------|----------|----------|----------------|-----------|
| Valatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS   | Amalista                    | D agu <sup>1</sup> t | Notes IInit- | Reporting        | Detection   | Dilutio  | Duomomod | Amalyzad       | A malviet |
| Acetone ND ugkg dry 10.7 10.7 1 05/16/24 05/16/24 12.21 WB tert-Amyl alcohol (TAA) ND ugkg dry 53.7 35.7 1 05/16/24 05/16/24 12.21 WB tert-Amyl alcohol (TAA) ND ugkg dry 53.7 1 05/16/24 05/16/24 12.21 WB Benzene ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Benzene ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 5.4 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.3 5.3 5.3 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.3 5.4 5.4 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.3 5.3 5.3 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Bromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Carbon disulfide ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Carbon disulfide ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Carbon disulfide ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Chloroofmae ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Chloroofmae ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Chloroofmae ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Chloroofmae ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Chloroofmae ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Chloroofmae ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Chloroofmae ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB Dibromochloromethane ND ugkg dry 5.4 2.1 1 05/16/24 05/16/24 12.21 WB D |                             |                      |              |                  | Limit (LOD) | Dilution | Prepared | Analyzed       | Anaiyst   |
| tert-Amyl alcohol (TAA)  ND  ugkg dry  53.7  53.7  1 05/16/24 05/16/24 12:21 WB  Betert-Myl methyl ether (TAME)  ND  ugkg dry  5.4  2.1  1 05/16/24 05/16/24 12:21 WB  Benzene  ND  ugkg dry  5.4  2.1  1 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.1  1 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.1  1 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.1  1 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.1  0 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.1  0 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.1  0 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.1  0 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.5  Ughg dry  5.5  Ughg dry  5.7  53.7  53.7  1 05/16/24 05/16/24 12:21 WB  Bromochloromethane  ND  ugkg dry  5.4  2.5  Ughg dry  5.4  2.6  Ughg dry  5.4  2.7  Ughg dry  5.4  2.7  Ughg dry  5.4  2.8  Ughg dry  5.4  2.9  Ughg dry  5.4  2.1  Ughg dry  5.4  Ugh |                             |                      |              |                  | 10.5        |          | 05/16/04 | 05/16/04/10/01 | IIID.     |
| tert-Amyl methyl ether (TAME)         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Benzene         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Bromobelnzene         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Bromofichloromethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Bromofichloromethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Bromofichman         ND         ug/kg dry         5.4         2.1         05/16/24         05/16/24 12:21         WB           Bromofichman         ND         ug/kg dry         5.4         2.1         05/16/24         05/16/24 12:21         WB           Bromofichman         ND         ug/kg dry         5.4         2.1         05/16/24         05/16/24 12:21         WB           Bromofichman         ND         ug/kg dry         5.4         2.1         05/16/24         05/16/24 12:21   |                             |                      |              |                  |             |          |          |                |           |
| Benzene         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           Bromobehenzene         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           Bromochiloromethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Bromofiloromethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Bromoform         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           Bromoform         ND         ug/kg dry         5.4         5.4         1         05/16/24         05/16/24 12:21         WB           Bromofiloromethane         ND         ug/kg dry         5.3         5.3         1         05/16/24         05/16/24 12:21         WB           Bromofiloromethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           2-Butanone (MEK)         ND         ug/kg dry         5.4  |                             |                      |              |                  |             |          |          |                |           |
| Bromobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Bromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Bromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Bromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Bromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Bromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Bromochlane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Etert-Butanol (TBA) ND ug/kg dry 5.3 5.7 53.7 1 05/16/24 05/16/24 12:21 WB Etert-Butanol (MEK) ND ug/kg dry 10.7 10.7 1 05/16/24 05/16/24 12:21 WB Etert-Butanol (MEK) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB etert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/1 |                             |                      |              |                  |             |          |          |                |           |
| Bromochloromethane   |                             |                      |              |                  |             |          |          |                |           |
| Bromodichloromethane   |                             |                      |              |                  |             |          |          |                |           |
| Bromoform ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Bromomethane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB tert-Butanol (TBA) ND ug/kg dry 5.3 53.7 53.7 1 05/16/24 05/16/24 12:21 WB 2-Butanone (MEK) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 2-Butanone (MEK) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB sec-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB sec-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1-2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 0-2-Dibrom |                             |                      |              |                  |             |          |          |                |           |
| Bromomethane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB tert-Butanol (TBA) ND ug/kg dry 53.7 53.7 1 05/16/24 05/16/24 12:21 WB 2-Butanone (MEK) ND ug/kg dry 53.7 53.7 1 05/16/24 05/16/24 12:21 WB n-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB see-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon tetrachloride ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorotenane ND ug/kg dry 5.4 2.1 1 05/16/24  |                             |                      |              |                  |             |          |          |                |           |
| tert-Butanol (TBA) ND ug/kg dry 53.7 53.7 1 05/16/24 05/16/24 12:21 WB 2-Butanone (MEK) ND ug/kg dry 10.7 10.7 1 05/16/24 05/16/24 12:21 WB n-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB sec-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon tetrachloride ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromo-dhoromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibrom | Bromoform                   |                      |              |                  |             |          |          |                |           |
| 2-Butanone (MEK) ND ug/kg dry 10.7 10.7 1 05/16/24 05/16/24 12:21 WB n-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB sec-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethan | Bromomethane                | ND                   | ug/kg dry    | 5.4              | 5.4         | 1        |          |                |           |
| n-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB sec-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon tetrachloride ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon tetrachloride ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chl | tert-Butanol (TBA)          | ND                   | ug/kg dry    | 53.7             | 53.7        | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| sec-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon tetrachloride ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochlane ND u | 2-Butanone (MEK)            | ND                   | ug/kg dry    | 10.7             | 10.7        | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| tert-Butylbenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Carbon disulfide ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chlorotoluene ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/ | n-Butylbenzene              | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Carbon disulfide         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           Carbon tetrachloride         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           Chlorobenzene         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           Chlorothane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           Chloroform         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           Chlorothune         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           2-Chlorothuene         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB           4-Chlorothuene         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24         12:21         WB   | sec-Butylbenzene            | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Carbon tetrachloride  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Chlorobenzene  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Chlorobenzene  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Chloroform  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Chloroform  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Chloroform  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Chloromethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  2-Chlorotoluene  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  4-Chlorotoluene  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  1,2-Dibromo-3-chloropropane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromoethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromoethane  (EDB)  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromomethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromothoromethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24 12:21  WB  Dibromothoromethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24  05/16/24 12:21  WB  Dibromothoromethane  ND  ug/kg dry  5.4  2.1  1  05/16/24  05/16/24  05/16/24  05/16/24  05 | tert-Butylbenzene           | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Chlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 5.4 1 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 2-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 2-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB   | Carbon disulfide            | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Chlorocthane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB Chloroform ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chlorothane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB 2-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 4-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromo-dhane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromochlane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorodentane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB  | Carbon tetrachloride        | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Chloroform ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Chloromethane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB 2-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 4-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorobethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichlorobethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB  | Chlorobenzene               | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Chloromethane ND ug/kg dry 5.4 5.4 1 05/16/24 05/16/24 12:21 WB 2-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 4-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB   | Chloroethane                | ND                   | ug/kg dry    | 5.4              | 5.4         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 2-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 12:21 WB 4-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 12:21 WB 1,2-Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB   | Chloroform                  | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 4-Chlorotoluene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dichlorodifluoromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB  | Chloromethane               | ND                   | ug/kg dry    | 5.4              | 5.4         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1,2-Dibromo-3-chloropropane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dichlorodifluoromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dichlorodifluoromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB  | 2-Chlorotoluene             | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Dibromochloromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dibromoethane (EDB) ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dichlorodifluoromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB   | 4-Chlorotoluene             | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1,2-Dibromoethane (EDB)       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         Dibromomethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,2-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,3-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,4-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         Dichlorodifluoromethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,1-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,2-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB   | 1,2-Dibromo-3-chloropropane | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Dibromomethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,3-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,4-Dichlorobenzene ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB Dichlorodifluoromethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB   | Dibromochloromethane        | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1,2-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,3-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,4-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         Dichlorodifluoromethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,1-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,2-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB  | 1,2-Dibromoethane (EDB)     | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1,3-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,4-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         Dichlorodifluoromethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,1-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,2-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB  | Dibromomethane              | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1,4-Dichlorobenzene       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         Dichlorodifluoromethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,1-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB         1,2-Dichloroethane       ND       ug/kg dry       5.4       2.1       1       05/16/24       05/16/24 12:21       WB  | 1,2-Dichlorobenzene         | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| Dichlorodifluoromethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           1,1-Dichloroethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB           1,2-Dichloroethane         ND         ug/kg dry         5.4         2.1         1         05/16/24         05/16/24 12:21         WB  | 1,3-Dichlorobenzene         | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1,1-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB  | 1,4-Dichlorobenzene         | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1,2-Dichloroethane ND ug/kg dry 5.4 2.1 1 05/16/24 05/16/24 12:21 WB   | Dichlorodifluoromethane     | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
| 1.2 0 0 , O. V. 2.1  | 1,1-Dichloroethane          | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
|  | 1,2-Dichloroethane          | ND                   | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |
|  | *                           |                      | ug/kg dry    | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB        |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-3 11.5-14'

4050829-06 (Soil) Sampled on: 05/08/24 12:35

| <u></u>                           |      |             | inpied on, 05/00 |             |          |          |                |         |
|-----------------------------------|------|-------------|------------------|-------------|----------|----------|----------------|---------|
| Analista                          | D14  | NI-4 II!4-  | Reporting        | Detection   | D:1      | D 1      | A I I          | A14     |
| Analyte                           |      | Notes Units | Limit (MRL)      | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B (C |      |             |                  |             |          |          |                |         |
| cis-1,2-Dichloroethene            | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| trans-1,2-Dichloroethene          | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Dichlorofluoromethane             | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,2-Dichloropropane               | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,3-Dichloropropane               | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 2,2-Dichloropropane               | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,1-Dichloropropene               | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| cis-1,3-Dichloropropene           | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| trans-1,3-Dichloropropene         | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Diisopropyl ether (DIPE)          | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Ethyl tert-butyl ether (ETBE)     | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Ethylbenzene                      | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Hexachlorobutadiene               | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 2-Hexanone                        | ND   | ug/kg dry   | 10.7             | 10.7        | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Isopropylbenzene (Cumene)         | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 4-Isopropyltoluene                | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Methyl tert-butyl ether (MTBE)    | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 4-Methyl-2-pentanone              | ND   | ug/kg dry   | 10.7             | 10.7        | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Methylene chloride                | 28.7 | L ug/kg dry | 21.5             | 21.5        | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Naphthalene                       | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| n-Propylbenzene                   | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Styrene                           | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,1,1,2-Tetrachloroethane         | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,1,2,2-Tetrachloroethane         | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Tetrachloroethene                 | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Toluene                           | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,2,3-Trichlorobenzene            | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,2,4-Trichlorobenzene            | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,1,1-Trichloroethane             | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,1,2-Trichloroethane             | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Trichloroethene                   | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| Trichlorofluoromethane (Freon 11) | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1,2,3-Trichloropropane            | ND   | ug/kg dry   | 5.4              | 2.1         | 1        | 05/16/24 | 05/16/24 12:21 | WB      |
| 1 1                               |      |             |                  |             |          |          |                |         |

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**Project: DC CAROUSEL** 

# **Analytical Results**

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**Reported:** 05/17/24 10:29

Project Number: 47:17909 Project Manager: Josh Cinnamon

B-3 11.5-14'

4050829-06 (Soil) Sampled on: 05/08/24 12:35

|                                  |            |                    | Reporting       | Detection   |          |                |                |         |
|----------------------------------|------------|--------------------|-----------------|-------------|----------|----------------|----------------|---------|
| Analyte                          | Result     | Notes Units        | Limit (MRL)     | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B   | (GC/MS) Pr | epared by 5030-GC  | CMS (continued) |             |          |                |                |         |
| 1,2,4-Trimethylbenzene           | ND         | ug/kg dry          | 5.4             | 2.1         | 1        | 05/16/24       | 05/16/24 12:21 | WB      |
| 1,3,5-Trimethylbenzene           | ND         | ug/kg dry          | 5.4             | 2.1         | 1        | 05/16/24       | 05/16/24 12:21 | WB      |
| Vinyl chloride                   | ND         | ug/kg dry          | 5.4             | 2.1         | 1        | 05/16/24       | 05/16/24 12:21 | WB      |
| o-Xylene                         | ND         | ug/kg dry          | 5.4             | 2.1         | 1        | 05/16/24       | 05/16/24 12:21 | WB      |
| m- & p-Xylenes                   | ND         | ug/kg dry          | 5.4             | 2.1         | 1        | 05/16/24       | 05/16/24 12:21 | WB      |
| Surrogate: 1,2-Dichloroethane-d4 |            | 70-130             | 105 %           | 05/16/24    |          | 05/16/24 12:21 |                |         |
| Surrogate: Toluene-d8            |            | 75-120             | 95 %            | 05/16/24    |          | 05/16/24 12:21 |                |         |
| Surrogate: 4-Bromofluorobenzene  |            | 65-120             | 98 %            | 05/16/24    |          | 05/16/24 12:21 |                |         |
| Semivolatile Organics by EPA 82  | 270D (GC/M | S) Prepared by 354 | 0-GCMS(Soxhle   | t)          |          |                |                |         |
| Acenaphthene                     | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Acenaphthylene                   | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Anthracene                       | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Benzo[a]anthracene               | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Benzo[b]fluoranthene             | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Benzo[k]fluoranthene             | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Benzo[g,h,i]perylene             | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Benzo[a]pyrene                   | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Chrysene                         | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Dibenz[a,h]anthracene            | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Fluoranthene                     | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Fluorene                         | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Indeno[1,2,3-cd]pyrene           | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| 2-Methylnaphthalene              | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Naphthalene                      | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Phenanthrene                     | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Pyrene                           | ND         | ug/kg dry          | 86              | 86          | 1        | 05/11/24       | 05/14/24 19:15 | EH      |
| Surrogate: 2-Fluorophenol        |            | 23-121             | 97 %            | 05/11/24    |          | 05/14/24 19:15 |                |         |
| Surrogate: Phenol-d5             |            | 24-113             | 99 %            | 05/11/24    |          | 05/14/24 19:15 |                |         |
| Surrogate: Nitrobenzene-d5       |            | 23-120             | 96 %            | 05/11/24    |          | 05/14/24 19:15 |                |         |
| Surrogate: 2,4,6-Tribromophenol  |            | 19-122             | 100 %           | 05/11/24    |          | 05/14/24 19:15 |                |         |
| Surrogate: 2-Fluorobiphenyl      |            | 30-115             | 100 %           | 05/11/24    |          | 05/14/24 19:15 |                |         |
| Surrogate: Terphenyl-d14         |            | 18-137             | 101 %           | 05/11/24    |          | 05/14/24 19:15 |                |         |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-3 11.5-14'

### 4050829-06 (Soil) Sampled on: 05/08/24 12:35

|   |           |            |                 | Reporting      | Detection          |          |                |                |         |
|---|-----------|------------|-----------------|----------------|--------------------|----------|----------------|----------------|---------|
| Analyte                                   | Result    | Notes      | Units           | Limit (MRL)    | Limit (LOD)        | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANICS                   | BY EPA 5  | 5030/80150 | C Prepare       | d by 5030-GC   |                    |          |                |                |         |
| Gasoline-Range Organics                   | ND        |            | mg/kg dry       | 0.11           | 0.11               | 1        | 05/14/24       | 05/14/24 23:04 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID]   |           | 85         | -115            | 102 %          | 05/14/24           | t        | 05/14/24 23:04 |                |         |
| DIESEL RANGE ORGANICS BY                  | EPA 3540  | /8015C Pr  | epared by       | 3540-GC(Sox    | hlet)              |          |                |                |         |
| Diesel-Range Organics (C10-C28)           | ND        |            | mg/kg dry       | 8.6            | 8.6                | 1        | 05/13/24       | 05/14/24 17:39 | TS      |
| Surrogate: o-Terphenyl                    |           | 70         | -130            | 97 %           | 05/13/24           | 1        | 05/14/24 17:39 |                |         |
| PERCENT SOLIDS BY ASTM D22                | 216-05 Pr | epared by  | Percent S       | olids          |                    |          |                |                |         |
| Percent Solids                            | 93        |            | %               |                |                    | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYLS I               | BY EPA 80 | 82A (GC/E  | CD) Prepa       | red by 3540-GC | (Soxhlet) ClPestPC | В        |                |                |         |
| Aroclor-1016                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1221                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1232                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1242                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1248                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1254                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1260                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1262                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Aroclor-1268                              | ND        |            | ug/kg dry       | 42.9           | 42.9               | 1        | 05/12/24       | 05/13/24 18:31 | ARS     |
| Surrogate: Tetrachloro-m-xylene           |           | 40         | -150            | 104 %          | 05/12/24           | 1        | 05/13/24 18:31 |                |         |
| Surrogate: Decachlorobiphenyl             |           | 40         | -150            | 91 %           | 05/12/24           | t        | 05/13/24 18:31 |                |         |
| <b>Total Metals Analysis by EPA 60201</b> | 3 Prepare | ed by 3050 | <b>B-Metals</b> | Digestion      |                    |          |                |                |         |
| Arsenic                                   | 3.32      |            | mg/kg dry       | 0.268          | 0.268              | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |
| Barium                                    | 21.8      |            | mg/kg dry       | 0.268          | 0.268              | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |
| Cadmium                                   | ND        |            | mg/kg dry       | 0.268          | 0.268              | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |
| Chromium                                  | 10.1      |            | mg/kg dry       | 0.268          | 0.268              | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |
| Lead                                      | 4.88      |            | mg/kg dry       | 0.268          | 0.268              | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |
| Mercury                                   | ND        |            | mg/kg dry       | 0.0134         | 0.0134             | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |
| Selenium                                  | 0.623     |            | mg/kg dry       | 0.268          | 0.268              | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |
| Silver                                    | ND        |            | mg/kg dry       | 0.268          | 0.268              | 1        | 05/15/24       | 05/16/24 17:37 | AWH     |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** ject Number: 47:17909

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-4 2.5-5'

### 4050829-07 (Soil) Sampled on: 05/08/24 12:40

|                                |    |             | mpied on: U5/U8 |             |          |          |                |         |
|--------------------------------|----|-------------|-----------------|-------------|----------|----------|----------------|---------|
|                                |    |             | Reporting       | Detection   |          |          |                |         |
| Analyte                        |    | Notes Units | Limit (MRL)     | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B |    |             |                 |             |          |          |                |         |
| Acetone                        | ND | ug/kg dry   | 11.9            | 11.9        | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ert-Amyl alcohol (TAA)         | ND | ug/kg dry   | 59.3            | 59.3        | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| tert-Amyl methyl ether (TAME)  | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Benzene                        | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Bromobenzene                   | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Bromochloromethane             | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Bromodichloromethane           | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Bromoform                      | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Bromomethane                   | ND | ug/kg dry   | 5.9             | 5.9         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ert-Butanol (TBA)              | ND | ug/kg dry   | 59.3            | 59.3        | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 2-Butanone (MEK)               | ND | ug/kg dry   | 11.9            | 11.9        | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| n-Butylbenzene                 | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ec-Butylbenzene                | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ert-Butylbenzene               | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Carbon disulfide               | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Carbon tetrachloride           | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Chlorobenzene                  | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Chloroethane                   | ND | ug/kg dry   | 5.9             | 5.9         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Chloroform                     | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Chloromethane                  | ND | ug/kg dry   | 5.9             | 5.9         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 2-Chlorotoluene                | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1-Chlorotoluene                | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,2-Dibromo-3-chloropropane     | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Dibromochloromethane           | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,2-Dibromoethane (EDB)         | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Dibromomethane                 | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,2-Dichlorobenzene             | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,3-Dichlorobenzene             | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,4-Dichlorobenzene             | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Dichlorodifluoromethane        | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,1-Dichloroethane              | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,2-Dichloroethane              | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| ,1-Dichloroethene              | ND | ug/kg dry   | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-4 2.5-5'

### 4050829-07 (Soil) Sampled on: 05/08/24 12:40

|                                   |        |             | nipicu on. 05/00 |             |          |          |                |         |
|-----------------------------------|--------|-------------|------------------|-------------|----------|----------|----------------|---------|
| Analysis                          | D!:    | No.         | Reporting        | Detection   | D:1      | D 1      | A l            | A       |
| Analyte                           | Result | Notes Units | Limit (MRL)      | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B (C |        |             |                  |             |          |          |                |         |
| cis-1,2-Dichloroethene            | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| trans-1,2-Dichloroethene          | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Dichlorofluoromethane             | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,2-Dichloropropane               | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,3-Dichloropropane               | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 2,2-Dichloropropane               | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,1-Dichloropropene               | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| cis-1,3-Dichloropropene           | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| trans-1,3-Dichloropropene         | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Diisopropyl ether (DIPE)          | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Ethyl tert-butyl ether (ETBE)     | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Ethylbenzene                      | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Hexachlorobutadiene               | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 2-Hexanone                        | ND     | ug/kg dry   | 11.9             | 11.9        | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Isopropylbenzene (Cumene)         | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 4-Isopropyltoluene                | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Methyl tert-butyl ether (MTBE)    | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 4-Methyl-2-pentanone              | ND     | ug/kg dry   | 11.9             | 11.9        | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Methylene chloride                | 38.7   | L ug/kg dry | 23.7             | 23.7        | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Naphthalene                       | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| n-Propylbenzene                   | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Styrene                           | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,1,1,2-Tetrachloroethane         | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,1,2,2-Tetrachloroethane         | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Tetrachloroethene                 | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Toluene                           | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,2,3-Trichlorobenzene            | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,2,4-Trichlorobenzene            | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,1,1-Trichloroethane             | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,1,2-Trichloroethane             | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Trichloroethene                   | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| Trichlorofluoromethane (Freon 11) | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1,2,3-Trichloropropane            | ND     | ug/kg dry   | 5.9              | 2.4         | 1        | 05/16/24 | 05/16/24 12:48 | WB      |
| 1 1                               |        |             |                  |             |          |          |                |         |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-4 2.5-5'

### 4050829-07 (Soil) Sampled on: 05/08/24 12:40

|                                  |            |                     | Reporting      | Detection   |          |                |                |         |
|----------------------------------|------------|---------------------|----------------|-------------|----------|----------------|----------------|---------|
| Analyte                          | Result     | Notes Units         | Limit (MRL)    | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B   | (GC/MS) Pr | epared by 5030-GC   | MS (continued) |             |          |                |                |         |
| 1,2,4-Trimethylbenzene           | ND         | ug/kg dry           | 5.9            | 2.4         | 1        | 05/16/24       | 05/16/24 12:48 | WB      |
| 1,3,5-Trimethylbenzene           | ND         | ug/kg dry           | 5.9            | 2.4         | 1        | 05/16/24       | 05/16/24 12:48 | WB      |
| Vinyl chloride                   | ND         | ug/kg dry           | 5.9            | 2.4         | 1        | 05/16/24       | 05/16/24 12:48 | WB      |
| o-Xylene                         | ND         | ug/kg dry           | 5.9            | 2.4         | 1        | 05/16/24       | 05/16/24 12:48 | WB      |
| m- & p-Xylenes                   | ND         | ug/kg dry           | 5.9            | 2.4         | 1        | 05/16/24       | 05/16/24 12:48 | WB      |
| Surrogate: 1,2-Dichloroethane-d4 |            | 70-130              | 103 %          | 05/16/24    |          | 05/16/24 12:48 |                |         |
| Surrogate: Toluene-d8            |            | 75-120              | 95 %           | 05/16/24    |          | 05/16/24 12:48 |                |         |
| Surrogate: 4-Bromofluorobenzene  |            | 65-120              | 96 %           | 05/16/24    |          | 05/16/24 12:48 |                |         |
| Semivolatile Organics by EPA 82  | 270D (GC/M | S) Prepared by 3540 | 0-GCMS(Soxhlet | )           |          |                |                |         |
| Acenaphthene                     | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Acenaphthylene                   | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Anthracene                       | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Benzo[a]anthracene               | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Benzo[b]fluoranthene             | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Benzo[k]fluoranthene             | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Benzo[g,h,i]perylene             | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Benzo[a]pyrene                   | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Chrysene                         | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Dibenz[a,h]anthracene            | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Fluoranthene                     | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Fluorene                         | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Indeno[1,2,3-cd]pyrene           | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| 2-Methylnaphthalene              | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Naphthalene                      | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Phenanthrene                     | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Pyrene                           | ND         | ug/kg dry           | 95             | 95          | 1        | 05/11/24       | 05/14/24 19:36 | EH      |
| Surrogate: 2-Fluorophenol        |            | 23-121              | 93 %           | 05/11/24    |          | 05/14/24 19:36 |                |         |
| Surrogate: Phenol-d5             |            | 24-113              | 96 %           | 05/11/24    |          | 05/14/24 19:36 |                |         |
| Surrogate: Nitrobenzene-d5       |            | 23-120              | 98 %           | 05/11/24    |          | 05/14/24 19:36 |                |         |
| Surrogate: 2,4,6-Tribromophenol  |            | 19-122              | 98 %           | 05/11/24    |          | 05/14/24 19:36 |                |         |
| Surrogate: 2-Fluorobiphenyl      |            | 30-115              | 102 %          | 05/11/24    |          | 05/14/24 19:36 |                |         |
| Surrogate: Terphenyl-d14         |            | 18-137              | 102 %          | 05/11/24    |          | 05/14/24 19:36 |                |         |

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**Reported:** 05/17/24 10:29

Project: DC CAROUSEL

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-4 2.5-5'

### 4050829-07 (Soil) Sampled on: 05/08/24 12:40

|   |            |                     | inpica on: 03/00 |                    |          |                |                |         |
|---|------------|---------------------|------------------|--------------------|----------|----------------|----------------|---------|
|   |            |                     | Reporting        | Detection          |          |                |                |         |
| Analyte                                 | Result     | Notes Units         | Limit (MRL)      | Limit (LOD)        | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANICS                 | BY EPA 5   | 5030/8015C Prepare  | d by 5030-GC     |                    |          |                |                |         |
| Gasoline-Range Organics                 | ND         | mg/kg dry           | 0.12             | 0.12               | 1        | 05/14/24       | 05/14/24 23:32 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |            | 85-115              | 102 %            | 05/14/24           |          | 05/14/24 23:32 |                |         |
| DIESEL RANGE ORGANICS BY                | EPA 3540   | /8015C Prepared by  | y 3540-GC(Sox1   | ılet)              |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND         | mg/kg dry           | 9.5              | 9.5                | 1        | 05/13/24       | 05/14/24 18:04 | TS      |
| Surrogate: o-Terphenyl                  |            | 70-130              | 101 %            | 05/13/24           |          | 05/14/24 18:04 |                |         |
| PERCENT SOLIDS BY ASTM D                | 2216-05 Pr | epared by Percent S | Solids           |                    |          |                |                |         |
| Percent Solids                          | 84         | %                   |                  |                    | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYLS               | BY EPA 80  | 82A (GC/ECD) Prepa  | red by 3540-GC(  | Soxhlet) ClPestPCl | В        |                |                |         |
| Aroclor-1016                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1221                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1232                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1242                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1248                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1254                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1260                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1262                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Aroclor-1268                            | ND         | ug/kg dry           | 47.4             | 47.4               | 1        | 05/12/24       | 05/13/24 18:44 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |            | 40-150              | 104 %            | 05/12/24           |          | 05/13/24 18:44 |                |         |
| Surrogate: Decachlorobiphenyl           |            | 40-150              | 94 %             | 05/12/24           |          | 05/13/24 18:44 |                |         |
| Total Metals Analysis by EPA 6020       | B Prepare  | ed by 3050B-Metals  | Digestion        |                    |          |                |                |         |
| Arsenic                                 | 5.56       | mg/kg dry           | 0.296            | 0.296              | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |
| Barium                                  | 54.4       | mg/kg dry           | 0.296            | 0.296              | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |
| Cadmium                                 | ND         | mg/kg dry           | 0.296            | 0.296              | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |
| Chromium                                | 18.2       | mg/kg dry           | 0.296            | 0.296              | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |
| Lead                                    | 10.9       | mg/kg dry           | 0.296            | 0.296              | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |
| Mercury                                 | 0.0723     | mg/kg dry           | 0.0148           | 0.0148             | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |
| Selenium                                | 0.954      | mg/kg dry           | 0.296            | 0.296              | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |
| Silver                                  | ND         | mg/kg dry           | 0.296            | 0.296              | 1        | 05/15/24       | 05/16/24 17:40 | AWH     |

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**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-4 11.5-14'

### 4050829-08 (Soil) Sampled on: 05/08/24 12:45

|  |          |             | Danamina                 |                          |          |          |                                  |          |
|--|----------|-------------|--------------------------|--------------------------|----------|----------|----------------------------------|----------|
| Analyte                                    | Result   | Notes Units | Reporting<br>Limit (MRL) | Detection<br>Limit (LOD) | Dilution | Prepared | Analyzed                         | Analyst  |
|  |          |             |                          | Lillit (LOD)             | Dilution | Trepared | Anaryzeu                         | Anaryst  |
| Volatile Organics by EPA 8260B Acetone     | ND       | ug/kg dry   | 10.7                     | 10.7                     | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| tert-Amyl alcohol (TAA)                    | ND<br>ND | ug/kg dry   | 53.5                     | 53.5                     | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| tert-Amyl acconol (TAA)                    | ND<br>ND | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Benzene                                    | ND<br>ND | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Bromobenzene                               | ND<br>ND | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Bromochloromethane                         | ND<br>ND | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Bromocnioromethane<br>Bromodichloromethane |          |             |                          | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Bromodichioromethane<br>Bromoform          | ND<br>ND | ug/kg dry   | 5.4<br>5.4               | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
|  |          | ug/kg dry   |                          |                          | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Bromomethane                               | ND<br>ND | ug/kg dry   | 5.4<br>52.5              | 5.4                      |          | 05/16/24 |                                  | WB       |
| tert-Butanol (TBA)                         | ND       | ug/kg dry   | 53.5                     | 53.5                     | 1        | 05/16/24 | 05/16/24 13:16<br>05/16/24 13:16 | WB<br>WB |
| 2-Butanone (MEK)                           | ND       | ug/kg dry   | 10.7                     | 10.7                     |          | 05/16/24 |                                  | WB       |
| n-Butylbenzene                             | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        |          | 05/16/24 13:16                   |          |
| sec-Butylbenzene                           | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| ert-Butylbenzene                           | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Carbon disulfide                           | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Carbon tetrachloride                       | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Chlorobenzene                              | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Chloroethane                               | ND       | ug/kg dry   | 5.4                      | 5.4                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Chloroform                                 | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Chloromethane                              | ND       | ug/kg dry   | 5.4                      | 5.4                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 2-Chlorotoluene                            | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 4-Chlorotoluene                            | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,2-Dibromo-3-chloropropane                | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Dibromochloromethane                       | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,2-Dibromoethane (EDB)                    | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Dibromomethane                             | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,2-Dichlorobenzene                        | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,3-Dichlorobenzene                        | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,4-Dichlorobenzene                        | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| Dichlorodifluoromethane                    | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,1-Dichloroethane                         | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,2-Dichloroethane                         | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |
| 1,1-Dichloroethene                         | ND       | ug/kg dry   | 5.4                      | 2.1                      | 1        | 05/16/24 | 05/16/24 13:16                   | WB       |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-4 11.5-14'

### 4050829-08 (Soil) Sampled on: 05/08/24 12:45

|                                   |           |                 | Reporting       | Detection   |          |          |                |         |
|-----------------------------------|-----------|-----------------|-----------------|-------------|----------|----------|----------------|---------|
| Analyte                           | Result    | Notes Units     | Limit (MRL)     | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B (  | GC/MS) Pr | epared by 5030- | GCMS (continued | )           |          |          |                |         |
| cis-1,2-Dichloroethene            | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| trans-1,2-Dichloroethene          | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Dichlorofluoromethane             | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,2-Dichloropropane               | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,3-Dichloropropane               | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 2,2-Dichloropropane               | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,1-Dichloropropene               | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| cis-1,3-Dichloropropene           | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| trans-1,3-Dichloropropene         | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Diisopropyl ether (DIPE)          | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Ethyl tert-butyl ether (ETBE)     | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Ethylbenzene                      | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Hexachlorobutadiene               | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 2-Hexanone                        | ND        | ug/kg d         | y 10.7          | 10.7        | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| (Sopropylbenzene (Cumene)         | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 4-Isopropyltoluene                | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Methyl tert-butyl ether (MTBE)    | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 4-Methyl-2-pentanone              | ND        | ug/kg d         | y 10.7          | 10.7        | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Methylene chloride                | 34.2      | L ug/kg d       | y 21.4          | 21.4        | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Naphthalene                       | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| n-Propylbenzene                   | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Styrene                           | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,1,1,2-Tetrachloroethane         | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,1,2,2-Tetrachloroethane         | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Tetrachloroethene                 | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Toluene                           | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,2,3-Trichlorobenzene            | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,2,4-Trichlorobenzene            | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,1,1-Trichloroethane             | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,1,2-Trichloroethane             | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Trichloroethene                   | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| Trichlorofluoromethane (Freon 11) | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |
| 1,2,3-Trichloropropane            | ND        | ug/kg d         | y 5.4           | 2.1         | 1        | 05/16/24 | 05/16/24 13:16 | WB      |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-4 11.5-14'

4050829-08 (Soil) Sampled on: 05/08/24 12:45

|                                  |            |                     | Reporting      | Detection   |          |                |                |         |
|----------------------------------|------------|---------------------|----------------|-------------|----------|----------------|----------------|---------|
| Analyte                          | Result     | Notes Units         | Limit (MRL)    | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B   | (GC/MS) Pr | epared by 5030-GC   | MS (continued) |             |          |                |                |         |
| 1,2,4-Trimethylbenzene           | ND         | ug/kg dry           | 5.4            | 2.1         | 1        | 05/16/24       | 05/16/24 13:16 | WB      |
| 1,3,5-Trimethylbenzene           | ND         | ug/kg dry           | 5.4            | 2.1         | 1        | 05/16/24       | 05/16/24 13:16 | WB      |
| Vinyl chloride                   | ND         | ug/kg dry           | 5.4            | 2.1         | 1        | 05/16/24       | 05/16/24 13:16 | WB      |
| o-Xylene                         | ND         | ug/kg dry           | 5.4            | 2.1         | 1        | 05/16/24       | 05/16/24 13:16 | WB      |
| m- & p-Xylenes                   | ND         | ug/kg dry           | 5.4            | 2.1         | 1        | 05/16/24       | 05/16/24 13:16 | WB      |
| Surrogate: 1,2-Dichloroethane-d4 |            | 70-130              | 104 %          | 05/16/24    |          | 05/16/24 13:16 |                |         |
| Surrogate: Toluene-d8            |            | 75-120              | 95 %           | 05/16/24    |          | 05/16/24 13:16 |                |         |
| Surrogate: 4-Bromofluorobenzene  |            | 65-120              | 99 %           | 05/16/24    |          | 05/16/24 13:16 |                |         |
| Semivolatile Organics by EPA 82  | 70D (GC/M  | S) Prepared by 3540 | 0-GCMS(Soxhle  | t)          |          |                |                |         |
| Acenaphthene                     | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Acenaphthylene                   | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Anthracene                       | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Benzo[a]anthracene               | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Benzo[b]fluoranthene             | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Benzo[k]fluoranthene             | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Benzo[g,h,i]perylene             | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Benzo[a]pyrene                   | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Chrysene                         | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Dibenz[a,h]anthracene            | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Fluoranthene                     | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Fluorene                         | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Indeno[1,2,3-cd]pyrene           | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| 2-Methylnaphthalene              | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Naphthalene                      | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Phenanthrene                     | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Pyrene                           | ND         | ug/kg dry           | 86             | 86          | 1        | 05/11/24       | 05/14/24 19:58 | EH      |
| Surrogate: 2-Fluorophenol        |            | 23-121              | 91 %           | 05/11/24    |          | 05/14/24 19:58 |                |         |
| Surrogate: Phenol-d5             |            | 24-113              | 95 %           | 05/11/24    |          | 05/14/24 19:58 |                |         |
| Surrogate: Nitrobenzene-d5       |            | 23-120              | 95 %           | 05/11/24    |          | 05/14/24 19:58 |                |         |
| Surrogate: 2,4,6-Tribromophenol  |            | 19-122              | 101 %          | 05/11/24    |          | 05/14/24 19:58 |                |         |
| Surrogate: 2-Fluorobiphenyl      |            | 30-115              | 99 %           | 05/11/24    |          | 05/14/24 19:58 |                |         |
| Surrogate: Terphenyl-d14         |            | 18-137              | 101 %          | 05/11/24    |          | 05/14/24 19:58 |                |         |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-4 11.5-14'

### 4050829-08 (Soil) Sampled on: 05/08/24 12:45

|   |             | ~~~                 | inpicu on: 05/00 |                   |          |                |                |         |
|---|-------------|---------------------|------------------|-------------------|----------|----------------|----------------|---------|
|   |             |                     | Reporting        | Detection         |          |                |                |         |
| Analyte                                 | Result      | Notes Units         | Limit (MRL)      | Limit (LOD)       | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANIC                  | S BY EPA 5  | 5030/8015C Prepare  | d by 5030-GC     |                   |          |                |                |         |
| Gasoline-Range Organics                 | ND          | mg/kg dry           | 0.11             | 0.11              | 1        | 05/14/24       | 05/14/24 23:59 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |             | 85-115              | 102 %            | 05/14/24          |          | 05/14/24 23:59 |                |         |
| DIESEL RANGE ORGANICS B                 | Y EPA 3540  | /8015C Prepared by  | 3540-GC(Soxl     | ılet)             |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND          | mg/kg dry           | 8.6              | 8.6               | 1        | 05/13/24       | 05/14/24 18:29 | TS      |
| Surrogate: o-Terphenyl                  |             | 70-130              | 113 %            | 05/13/24          |          | 05/14/24 18:29 |                |         |
| PERCENT SOLIDS BY ASTM D                | 2216-05 Pr  | epared by Percent S | olids            |                   |          |                |                |         |
| Percent Solids                          | 93          | %                   |                  |                   | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYL                | S BY EPA 80 | 82A (GC/ECD) Prepa  | red by 3540-GC(  | Soxhlet) ClPestPC | В        |                |                |         |
| Aroclor-1016                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1221                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1232                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1242                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1248                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1254                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1260                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1262                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Aroclor-1268                            | ND          | ug/kg dry           | 42.8             | 42.8              | 1        | 05/12/24       | 05/13/24 18:58 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |             | 40-150              | 109 %            | 05/12/24          |          | 05/13/24 18:58 |                |         |
| Surrogate: Decachlorobiphenyl           |             | 40-150              | 96 %             | 05/12/24          |          | 05/13/24 18:58 |                |         |
| Total Metals Analysis by EPA 602        | OB Prepare  | ed by 3050B-Metals  | Digestion        |                   |          |                |                |         |
| Arsenic                                 | 3.11        | mg/kg dry           | 0.268            | 0.268             | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |
| Barium                                  | 21.1        | mg/kg dry           | 0.268            | 0.268             | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |
| Cadmium                                 | ND          | mg/kg dry           | 0.268            | 0.268             | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |
| Chromium                                | 12.1        | mg/kg dry           | 0.268            | 0.268             | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |
| Lead                                    | 4.37        | mg/kg dry           | 0.268            | 0.268             | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |
| Mercury                                 | ND          | mg/kg dry           | 0.0134           | 0.0134            | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |
| Selenium                                | 0.966       | mg/kg dry           | 0.268            | 0.268             | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |
| Silver                                  | ND          | mg/kg dry           | 0.268            | 0.268             | 1        | 05/15/24       | 05/16/24 17:42 | AWH     |

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**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-5 2.5-5'

### 4050829-09 (Soil) Sampled on: 05/08/24 12:50

|                                |             |                   | mpied on: U5/U8 | 724 12.30   |          |          |                |         |
|--------------------------------|-------------|-------------------|-----------------|-------------|----------|----------|----------------|---------|
|                                |             |                   | Reporting       | Detection   |          |          |                |         |
| Analyte                        | Result      | Notes Units       | Limit (MRL)     | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B | (GC/MS) Pro | epared by 5030-GC | CMS             |             |          |          |                |         |
| Acetone                        | ND          | ug/kg dry         | 11.8            | 11.8        | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| tert-Amyl alcohol (TAA)        | ND          | ug/kg dry         | 58.8            | 58.8        | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| tert-Amyl methyl ether (TAME)  | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Benzene                        | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Bromobenzene                   | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Bromochloromethane             | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Bromodichloromethane           | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Bromoform                      | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Bromomethane                   | ND          | ug/kg dry         | 5.9             | 5.9         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| tert-Butanol (TBA)             | ND          | ug/kg dry         | 58.8            | 58.8        | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 2-Butanone (MEK)               | ND          | ug/kg dry         | 11.8            | 11.8        | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| n-Butylbenzene                 | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| sec-Butylbenzene               | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| ert-Butylbenzene               | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Carbon disulfide               | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Carbon tetrachloride           | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Chlorobenzene                  | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Chloroethane                   | ND          | ug/kg dry         | 5.9             | 5.9         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Chloroform                     | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Chloromethane                  | ND          | ug/kg dry         | 5.9             | 5.9         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 2-Chlorotoluene                | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 4-Chlorotoluene                | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 1,2-Dibromo-3-chloropropane    | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Dibromochloromethane           | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 1,2-Dibromoethane (EDB)        | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Dibromomethane                 | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| ,2-Dichlorobenzene             | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| ,3-Dichlorobenzene             | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| ,4-Dichlorobenzene             | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| Dichlorodifluoromethane        | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 1,1-Dichloroethane             | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 1,2-Dichloroethane             | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |
| 1.1-Dichloroethene             | ND          | ug/kg dry         | 5.9             | 2.4         | 1        | 05/16/24 | 05/16/24 13:43 | WB      |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

### B-5 2.5-5'

### 4050829-09 (Soil) Sampled on: 05/08/24 12:50

|                                   |        | ~**         | inpied on. 05/00         |                          |          |          |                |          |
|-----------------------------------|--------|-------------|--------------------------|--------------------------|----------|----------|----------------|----------|
| Analyte                           | Result | Notes Units | Reporting<br>Limit (MRL) | Detection<br>Limit (LOD) | Dilution | Dronousd | Analyzed       | Analyzat |
|                                   |        |             |                          | . ,                      | Dilution | Prepared | Anaryzed       | Analyst  |
| Volatile Organics by EPA 8260B (C |        |             |                          |                          |          | 05/15/04 | 05/16/04/10/40 | IUD      |
| cis-1,2-Dichloroethene            | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| trans-1,2-Dichloroethene          | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Dichlorofluoromethane             | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,2-Dichloropropane               | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,3-Dichloropropane               | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 2,2-Dichloropropane               | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,1-Dichloropropene               | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| cis-1,3-Dichloropropene           | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| trans-1,3-Dichloropropene         | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Diisopropyl ether (DIPE)          | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Ethyl tert-butyl ether (ETBE)     | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Ethylbenzene                      | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Hexachlorobutadiene               | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 2-Hexanone                        | ND     | ug/kg dry   | 11.8                     | 11.8                     | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Isopropylbenzene (Cumene)         | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 4-Isopropyltoluene                | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Methyl tert-butyl ether (MTBE)    | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 4-Methyl-2-pentanone              | ND     | ug/kg dry   | 11.8                     | 11.8                     | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Methylene chloride                | 45.0   | L ug/kg dry | 23.5                     | 23.5                     | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Naphthalene                       | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| n-Propylbenzene                   | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Styrene                           | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,1,1,2-Tetrachloroethane         | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,1,2,2-Tetrachloroethane         | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Tetrachloroethene                 | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Toluene                           | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,2,3-Trichlorobenzene            | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,2,4-Trichlorobenzene            | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,1,1-Trichloroethane             | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,1,2-Trichloroethane             | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Trichloroethene                   | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| Trichlorofluoromethane (Freon 11) | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| 1,2,3-Trichloropropane            | ND     | ug/kg dry   | 5.9                      | 2.4                      | 1        | 05/16/24 | 05/16/24 13:43 | WB       |
| , /                               |        | 223         |                          |                          |          |          |                |          |

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**Reported:** 05/17/24 10:29

Project: DC CAROUSEL

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-5 2.5-5'

### 4050829-09 (Soil) Sampled on: 05/08/24 12:50

|                                  |            |                    | Reporting       | Detection   |          |                |                |         |
|----------------------------------|------------|--------------------|-----------------|-------------|----------|----------------|----------------|---------|
| Analyte                          | Result     | Notes Units        | Limit (MRL)     | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |
| Volatile Organics by EPA 8260B   | (GC/MS) Pr | epared by 5030-GC  | CMS (continued) |             |          |                |                |         |
| 1,2,4-Trimethylbenzene           | ND         | ug/kg dry          | 5.9             | 2.4         | 1        | 05/16/24       | 05/16/24 13:43 | WB      |
| 1,3,5-Trimethylbenzene           | ND         | ug/kg dry          | 5.9             | 2.4         | 1        | 05/16/24       | 05/16/24 13:43 | WB      |
| Vinyl chloride                   | ND         | ug/kg dry          | 5.9             | 2.4         | 1        | 05/16/24       | 05/16/24 13:43 | WB      |
| o-Xylene                         | ND         | ug/kg dry          | 5.9             | 2.4         | 1        | 05/16/24       | 05/16/24 13:43 | WB      |
| m- & p-Xylenes                   | ND         | ug/kg dry          | 5.9             | 2.4         | 1        | 05/16/24       | 05/16/24 13:43 | WB      |
| Surrogate: 1,2-Dichloroethane-d4 |            | 70-130             | 104 %           | 05/16/24    |          | 05/16/24 13:43 |                |         |
| Surrogate: Toluene-d8            |            | 75-120             | 94 %            | 05/16/24    |          | 05/16/24 13:43 |                |         |
| Surrogate: 4-Bromofluorobenzene  |            | 65-120             | 97 %            | 05/16/24    |          | 05/16/24 13:43 |                |         |
| Semivolatile Organics by EPA 82  | 270D (GC/M | S) Prepared by 354 | 0-GCMS(Soxhle   | t)          |          |                |                |         |
| Acenaphthene                     | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Acenaphthylene                   | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Anthracene                       | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Benzo[a]anthracene               | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Benzo[b]fluoranthene             | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Benzo[k]fluoranthene             | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Benzo[g,h,i]perylene             | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Benzo[a]pyrene                   | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Chrysene                         | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Dibenz[a,h]anthracene            | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Fluoranthene                     | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Fluorene                         | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Indeno[1,2,3-cd]pyrene           | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| 2-Methylnaphthalene              | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Naphthalene                      | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Phenanthrene                     | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Pyrene                           | ND         | ug/kg dry          | 94              | 94          | 1        | 05/11/24       | 05/14/24 20:19 | EH      |
| Surrogate: 2-Fluorophenol        |            | 23-121             | 87 %            | 05/11/24    |          | 05/14/24 20:19 |                |         |
| Surrogate: Phenol-d5             |            | 24-113             | 92 %            | 05/11/24    |          | 05/14/24 20:19 |                |         |
| Surrogate: Nitrobenzene-d5       |            | 23-120             | 93 %            | 05/11/24    |          | 05/14/24 20:19 |                |         |
| Surrogate: 2,4,6-Tribromophenol  |            | 19-122             | 93 %            | 05/11/24    |          | 05/14/24 20:19 |                |         |
| Surrogate: 2-Fluorobiphenyl      |            | 30-115             | 98 %            | 05/11/24    |          | 05/14/24 20:19 |                |         |
| Surrogate: Terphenyl-d14         |            | 18-137             | 95 %            | 05/11/24    |          | 05/14/24 20:19 |                |         |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-5 2.5-5'

### 4050829-09 (Soil) Sampled on: 05/08/24 12:50

|   |             |                     | Reporting        | Detection          |          |                |                |         |
|---|-------------|---------------------|------------------|--------------------|----------|----------------|----------------|---------|
| Analyte                                 | Result      | Notes Units         | Limit (MRL)      | Limit (LOD)        | Dilution | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANIC                  | CS BY EPA 5 | 5030/8015C Prepare  | ed by 5030-GC    |                    |          |                |                |         |
| Gasoline-Range Organics                 | ND          | mg/kg dry           | 0.12             | 0.12               | 1        | 05/14/24       | 05/15/24 00:26 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] |             | 85-115              | 102 %            | 05/14/24           |          | 05/15/24 00:26 |                |         |
| DIESEL RANGE ORGANICS B                 | Y EPA 3540  | /8015C Prepared by  | y 3540-GC(Soxl   | ılet)              |          |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND          | mg/kg dry           | 9.4              | 9.4                | 1        | 05/13/24       | 05/14/24 18:54 | TS      |
| Surrogate: o-Terphenyl                  |             | 70-130              | 98 %             | 05/13/24           |          | 05/14/24 18:54 |                |         |
| PERCENT SOLIDS BY ASTM I                | )2216-05 Pr | epared by Percent S | Solids           |                    |          |                |                |         |
| Percent Solids                          | 85          | %                   |                  |                    | 1        | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYL                | S BY EPA 80 | 82A (GC/ECD) Prepa  | ared by 3540-GC( | Soxhlet) ClPestPCl | В        |                |                |         |
| Aroclor-1016                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1221                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1232                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1242                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1248                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1254                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1260                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1262                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Aroclor-1268                            | ND          | ug/kg dry           | 47.1             | 47.1               | 1        | 05/12/24       | 05/13/24 19:12 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |             | 40-150              | 102 %            | 05/12/24           |          | 05/13/24 19:12 |                |         |
| Surrogate: Decachlorobiphenyl           |             | 40-150              | 91 %             | 05/12/24           |          | 05/13/24 19:12 |                |         |
| Total Metals Analysis by EPA 602        | 20B Prepare | ed by 3050B-Metals  | Digestion        |                    |          |                |                |         |
| Arsenic                                 | 4.76        | mg/kg dry           | 0.294            | 0.294              | 1        | 05/15/24       | 05/16/24 17:45 | AWH     |
| Barium                                  | 51.1        | mg/kg dry           | 0.294            | 0.294              | 1        | 05/15/24       | 05/16/24 17:45 | AWH     |
| Cadmium                                 | ND          | mg/kg dry           | 0.294            | 0.294              | 1        | 05/15/24       | 05/16/24 17:45 | AWH     |
| Chromium                                | 15.5        | mg/kg dry           | 0.294            | 0.294              | 1        | 05/15/24       | 05/16/24 17:45 | AWH     |
| Lead                                    | 10.1        | mg/kg dry           | 0.294            | 0.294              | 1        | 05/15/24       | 05/16/24 17:45 | AWH     |
| Mercury                                 | 0.0243      | mg/kg dry           | 0.0147           | 0.0147             | 1        | 05/15/24       | 05/16/24 17:45 | AWH     |
| Selenium                                | 0.976       | mg/kg dry           | 0.294            | 0.294              | 1        | 05/15/24       | 05/16/24 17:45 | AWH     |
| Silver                                  | ND          | mg/kg dry           | 0.294            | 0.294              | 0.294 1  |                | 05/16/24 17:45 | AWH     |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-5 11-13.5'

### 4050829-10 (Soil) Sampled on: 05/08/24 12:55

|                                |             |                   | Reporting   | Detection   |          |          |                |         |  |
|--------------------------------|-------------|-------------------|-------------|-------------|----------|----------|----------------|---------|--|
| Analyte                        |             | Notes Units       | Limit (MRL) | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |  |
| Volatile Organics by EPA 8260B | (GC/MS) Pro | epared by 5030-GC | MS          |             |          |          |                |         |  |
| Acetone                        | ND          | ug/kg dry         | 10.4        | 10.4        | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| tert-Amyl alcohol (TAA)        | ND          | ug/kg dry         | 52.2        | 52.2        | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| tert-Amyl methyl ether (TAME)  | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Benzene                        | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Bromobenzene                   | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Bromochloromethane             | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Bromodichloromethane           | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Bromoform                      | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Bromomethane                   | ND          | ug/kg dry         | 5.2         | 5.2         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| tert-Butanol (TBA)             | ND          | ug/kg dry         | 52.2        | 52.2        | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 2-Butanone (MEK)               | ND          | ug/kg dry         | 10.4        | 10.4        | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| n-Butylbenzene                 | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| sec-Butylbenzene               | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| ert-Butylbenzene               | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Carbon disulfide               | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Carbon tetrachloride           | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Chlorobenzene                  | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Chloroethane                   | ND          | ug/kg dry         | 5.2         | 5.2         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Chloroform                     | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Chloromethane                  | ND          | ug/kg dry         | 5.2         | 5.2         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 2-Chlorotoluene                | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 4-Chlorotoluene                | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,2-Dibromo-3-chloropropane    | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Dibromochloromethane           | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,2-Dibromoethane (EDB)        | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Dibromomethane                 | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,2-Dichlorobenzene            | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,3-Dichlorobenzene            | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,4-Dichlorobenzene            | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| Dichlorodifluoromethane        | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,1-Dichloroethane             | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,2-Dichloroethane             | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |
| 1,1-Dichloroethene             | ND          | ug/kg dry         | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



enela E

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL** 

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-5 11-13.5'

4050829-10 (Soil) Sampled on: 05/08/24 12:55

| Sich   2-Dichloroethene   ND   |  |        |       |           | Reporting   | Detection   |          |          |                |         |  |  |  |
|--|--|--------|-------|-----------|-------------|-------------|----------|----------|----------------|---------|--|--|--|
| Sich   2-Dichloroethene   ND   | Analyte  | Result | Notes | Units     | Limit (MRL) | Limit (LOD) | Dilution | Prepared | Analyzed       | Analyst |  |  |  |
| Trans-1,2-Dichloroethene   | Volatile Organics by EPA 8260B (GC/MS) Prepared by 5030-GCMS (continued) |        |       |           |             |             |          |          |                |         |  |  |  |
| Dicklororfluoromethane   ND  | cis-1,2-Dichloroethene   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,2-Dichloropropane  | trans-1,2-Dichloroethene   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,3-Dichloropropane   ND   | Dichlorofluoromethane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 2,2-Dichloropropane  | 1,2-Dichloropropane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Li-Dichloropropene   | 1,3-Dichloropropane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| ND   | 2,2-Dichloropropane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Trans-1,3-Dichloropropene   ND   | 1,1-Dichloropropene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Disspropyl ether (DIPE)  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethyl tert-butyl ether (ETBE)  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene (Cumene)  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene (NTBE)  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/24 14:11  WB  Ethylbenzene  ND  ug/kg dry  5.2  2.1  1  05/16/24  05/16/ | cis-1,3-Dichloropropene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Ethyl tert-butyl ether (ETBE) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene (Cumene) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 10.4 10.4 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 10.4 10.4 1 05/16/24 05/16/24 14:11 WB ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  | trans-1,3-Dichloropropene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Ethylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB dexachlorobutadiene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB dexachlorobutadiene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB description of the control o | Diisopropyl ether (DIPE)   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Hexachlorobutadiene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 2-Hexanone ND ug/kg dry 10.4 10.4 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 10.4 10.4 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 20.9 20.9 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Hexanone ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 4-Propylbenzene ND ug/kg dry 5.2 2.1 1 0 | Ethyl tert-butyl ether (ETBE)  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Part      | Ethylbenzene   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Stoppropylbenzene (Cumene)   ND   ug/kg dry   5.2   2.1   1   05/16/24   05/16/24   14:11   WB   | Hexachlorobutadiene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Methyl tert-butyl ether (MTBE)   ND   ug/kg dry   5.2   2.1   1   05/16/24   05/16/24   14:11   WB   | 2-Hexanone   | ND     |       | ug/kg dry | 10.4        | 10.4        | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Methyl tert-butyl ether (MTBE) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 44-Methyl-2-pentanone ND ug/kg dry 10.4 10.4 1 05/16/24 05/16/24 14:11 WB 44-Methyl-2-pentanone ND ug/kg dry 20.9 20.9 1 05/16/24 05/16/24 14:11 WB 54-Methylene chloride 37.8 L ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 54-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB | Isopropylbenzene (Cumene)  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 4-Methyl-2-pentanone ND ug/kg dry 10.4 10.4 1 05/16/24 05/16/24 14:11 WB Methylene chloride 37.8 L ug/kg dry 20.9 20.9 1 05/16/24 05/16/24 14:11 WB Naphthalene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/ | 4-Isopropyltoluene   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Methylene chloride         37.8         L         ug/kg dry         20.9         20.9         1         05/16/24         05/16/24 14:11         WB           Naphthalene         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           n-Propylbenzene         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           Styrene         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           I,1,1,2-Tetrachloroethane         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           I,1,2,2-Tetrachloroethane         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           Tetrachloroethene         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           Toluene         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           1,2,3-Trichlorobenzene         ND         ug/kg dry         5.2<  | Methyl tert-butyl ether (MTBE)   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Naphthalene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Styrene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1ctrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  | 4-Methyl-2-pentanone   | ND     |       | ug/kg dry | 10.4        | 10.4        | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| n-Propylbenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB styrene ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB 1,1,1,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB 1,1,2,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Tetrachlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,4-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  | Methylene chloride   | 37.8   | L     | ug/kg dry | 20.9        | 20.9        | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Styrene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Toluene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB   | Naphthalene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,1,1,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Toluene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,4-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichlorofluoromethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB   | n-Propylbenzene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,1,2,2-Tetrachloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB Toluene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,4-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  | Styrene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Tetrachloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Toluene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,4-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB Trichloroethene (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB   | 1,1,1,2-Tetrachloroethane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Toluene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,4-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1.1,2-Trichloroethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1.1,2-Trichloroethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1.1,2-Trichloroethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB   | 1,1,2,2-Tetrachloroethane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,2,3-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,2,4-Trichlorobenzene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,1-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1Trichloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB 1Trichlorofluoromethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  | Tetrachloroethene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,2,4-Trichlorobenzene       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB         1,1,1-Trichloroethane       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB         1,1,2-Trichloroethane       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB         Trichloroethene       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB         Trichlorofluoromethane (Freon 11)       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB   | Toluene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,1,1-Trichloroethane       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB         1,1,2-Trichloroethane       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB         Trichloroethene       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB         Trichlorofluoromethane (Freon 11)       ND       ug/kg dry       5.2       2.1       1       05/16/24       05/16/24 14:11       WB  | 1,2,3-Trichlorobenzene   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,1,2-Trichloroethane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  Trichloroethene ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  Trichlorofluoromethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB  | 1,2,4-Trichlorobenzene   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Trichloroethene         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB           Trichlorofluoromethane (Freon 11)         ND         ug/kg dry         5.2         2.1         1         05/16/24         05/16/24 14:11         WB  | 1,1,1-Trichloroethane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| Trichlorofluoromethane (Freon 11) ND ug/kg dry 5.2 2.1 1 05/16/24 14:11 WB   | 1,1,2-Trichloroethane  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
|  | Trichloroethene  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
| 1,2,3-Trichloropropane ND ug/kg dry 5.2 2.1 1 05/16/24 05/16/24 14:11 WB   | Trichlorofluoromethane (Freon 11)  | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |
|  | 1,2,3-Trichloropropane   | ND     |       | ug/kg dry | 5.2         | 2.1         | 1        | 05/16/24 | 05/16/24 14:11 | WB      |  |  |  |

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**Reported:** 05/17/24 10:29

Project: DC CAROUSEL

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### B-5 11-13.5'

4050829-10 (Soil) Sampled on: 05/08/24 12:55

|                                  |              |                    | Reporting       | Detection   |          |                |                |         |  |
|----------------------------------|--------------|--------------------|-----------------|-------------|----------|----------------|----------------|---------|--|
| Analyte                          | alyte Result |                    | Limit (MRL)     | Limit (LOD) | Dilution | Prepared       | Analyzed       | Analyst |  |
| Volatile Organics by EPA 8260B   | (GC/MS) Pr   | epared by 5030-GC  | CMS (continued) |             |          |                |                |         |  |
| 1,2,4-Trimethylbenzene           | ND           | ug/kg dry          | ug/kg dry 5.2   |             | 1        | 05/16/24       | 05/16/24 14:11 | WB      |  |
| 1,3,5-Trimethylbenzene           | ND           | ug/kg dry          | 5.2             | 2.1         | 1        | 05/16/24       | 05/16/24 14:11 | WB      |  |
| Vinyl chloride                   | ND           | ug/kg dry          | 5.2             | 2.1         | 1        | 05/16/24       | 05/16/24 14:11 | WB      |  |
| o-Xylene                         | ND           | ug/kg dry          | 5.2             | 2.1         | 1        | 05/16/24       | 05/16/24 14:11 | WB      |  |
| m- & p-Xylenes                   | ND           | ug/kg dry          | 5.2             | 2.1         | 1        | 05/16/24       | 05/16/24 14:11 | WB      |  |
| Surrogate: 1,2-Dichloroethane-d4 |              | 70-130             | 104 %           | 05/16/24    |          | 05/16/24 14:11 |                |         |  |
| Surrogate: Toluene-d8            |              | 75-120             | 94 %            | 05/16/24    |          | 05/16/24 14:11 |                |         |  |
| Surrogate: 4-Bromofluorobenzene  |              | 65-120             | 98 %            | 05/16/24    |          | 05/16/24 14:11 |                |         |  |
| Semivolatile Organics by EPA 82  | 70D (GC/M    | S) Prepared by 354 | 0-GCMS(Soxhle   | t)          |          |                |                |         |  |
| Acenaphthene                     | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Acenaphthylene                   | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Anthracene                       | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Benzo[a]anthracene               | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Benzo[b]fluoranthene             | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Benzo[k]fluoranthene             | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Benzo[g,h,i]perylene             | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Benzo[a]pyrene                   | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Chrysene                         | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Dibenz[a,h]anthracene            | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Fluoranthene                     | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Fluorene                         | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Indeno[1,2,3-cd]pyrene           | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| 2-Methylnaphthalene              | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Naphthalene                      | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Phenanthrene                     | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Pyrene                           | ND           | ug/kg dry          | 84              | 84          | 1        | 05/11/24       | 05/14/24 20:40 | EH      |  |
| Surrogate: 2-Fluorophenol        |              | 23-121             | 89 %            | 05/11/24    |          | 05/14/24 20:40 |                |         |  |
| Surrogate: Phenol-d5             |              | 24-113             | 91 %            | 05/11/24    |          | 05/14/24 20:40 |                |         |  |
| Surrogate: Nitrobenzene-d5       |              | 23-120             | 93 %            | 05/11/24    |          | 05/14/24 20:40 |                |         |  |
| Surrogate: 2,4,6-Tribromophenol  |              | 19-122             | 92 %            | 05/11/24    |          | 05/14/24 20:40 |                |         |  |
| Surrogate: 2-Fluorobiphenyl      |              | 30-115             | 96 %            | 05/11/24    |          | 05/14/24 20:40 |                |         |  |
| Surrogate: Terphenyl-d14         |              | 18-137             | 98 %            | 05/11/24    |          | 05/14/24 20:40 |                |         |  |

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**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL**Project Number: 47:17909
Project Manager: Josh Cinnamon

#### B-5 11-13.5'

### 4050829-10 (Soil) Sampled on: 05/08/24 12:55

|   |   |                     | Reporting       | Detection          |                |                |                |         |
|---|---|---------------------|-----------------|--------------------|----------------|----------------|----------------|---------|
| Analyte                                 | Result                                      | Notes Units         | Limit (MRL)     | Limit (LOD)        | Dilution       | Prepared       | Analyzed       | Analyst |
| GASOLINE RANGE ORGANIC                  | CS BY EPA 5                                 | 5030/8015C Prepare  | d by 5030-GC    |                    |                |                |                |         |
| Gasoline-Range Organics                 | ND  | mg/kg dry           | 0.10            | 0.10               | 1              | 05/14/24       | 05/15/24 00:54 | MNB     |
| Surrogate: a,a,a-Trifluorotoluene [FID] | : a,a,a-Trifluorotoluene [FID] 85-115 102 % |                     | 05/14/24        |                    | 05/15/24 00:54 |                |                |         |
| DIESEL RANGE ORGANICS B                 | Y EPA 3540                                  | /8015C Prepared by  | 3540-GC(Sox1    | ılet)              |                |                |                |         |
| Diesel-Range Organics (C10-C28)         | ND  | mg/kg dry           | 8.4             | 8.4                | 1              | 05/13/24       | 05/14/24 19:19 | TS      |
| Surrogate: o-Terphenyl                  |   | 70-130              | 105 %           | 05/13/24           |                | 05/14/24 19:19 |                |         |
| PERCENT SOLIDS BY ASTM I                | 02216-05 Pr                                 | epared by Percent S | olids           |                    |                |                |                |         |
| Percent Solids                          | 96  | %                   |                 |                    | 1              | 05/14/24       | 05/15/24 08:35 | CZ      |
| POLYCHLORINATED BIPHENYL                | S BY EPA 80                                 | 82A (GC/ECD) Prepa  | red by 3540-GC( | Soxhlet) ClPestPCl | В              |                |                |         |
| Aroclor-1016                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1221                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1232                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1242                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1248                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1254                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1260                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1262                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Aroclor-1268                            | ND  | ug/kg dry           | 41.8            | 41.8               | 1              | 05/10/24       | 05/13/24 15:28 | ARS     |
| Surrogate: Tetrachloro-m-xylene         |   | 40-150              | 96 %            | 05/10/24           |                | 05/13/24 15:28 |                |         |
| Surrogate: Decachlorobiphenyl           |   | 40-150              | 67 %            | 05/10/24           |                | 05/13/24 15:28 |                |         |
| Total Metals Analysis by EPA 602        | 20B Prepare                                 | d by 3050B-Metals   | Digestion       |                    |                |                |                |         |
| Arsenic                                 | 3.37  | mg/kg dry           | 0.261           | 0.261              | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |
| Barium                                  | 24.5  | mg/kg dry           | 0.261           | 0.261              | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |
| Cadmium                                 | ND  | mg/kg dry           | 0.261           | 0.261              | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |
| Chromium                                | 9.93  | mg/kg dry           | 0.261           | 0.261              | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |
| Lead                                    | 3.96  | mg/kg dry           | 0.261           | 0.261              | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |
| Mercury                                 | ND  | mg/kg dry           | 0.0130          | 0.0130             | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |
| Selenium                                | 0.939                                       | mg/kg dry           | 0.261           | 0.261              | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |
| Silver                                  | ND  | mg/kg dry           | 0.261           | 0.261              | 1              | 05/15/24       | 05/16/24 17:52 | AWH     |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Will Bright





1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

**Reported:** 05/17/24 10:29

**Project: DC CAROUSEL**Project Number: 47:17909
Project Manager: Josh Cinnamon

Maryland Spectral Services does not maintain certification for the following analytical parameters:

| Maryland Spectral Services |      |  |
|----------------------------|------|--|
| Matrix , Method , Analyte  | <br> |  |
|                            |      |  |
|                            |      |  |
|                            |      |  |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Willeburghen



**Project: DC CAROUSEL** 

### **Analytical Results**

e nelao :

1500 Caton Center Dr Suite G Baltimore MD 21227 410-247-7600 www.mdspectral.com

**Reported:** 05/17/24 10:29

Project Number: 47:17909 Project Manager: Josh Cinnamon

#### **Notes and Definitions**

QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

QM-06 Due to non-homogeneity of the QC sample matrix, the MS/MSD or MS/DUP did not provide reliable results for accuracy and precision.

Sample results for the QC batch were accepted based on LCS percent recoveries.

L Analyte is a possible laboratory contaminant

J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).

RE Sample reanalyses are done at the laboratory's discretion as a mechanism to improve data quality. Any client requested reanalysis will be identified

with a sample qualifier.

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

%-Solids Percent Solids is a supportive test and as such does not require accredidation

If this report contains any samples analyzed for gasoline range organics (GRO) by EPA Method 8015C and no trip blank was shipped, stored, and received with the sample(s) as required by Section 3.1 of the EPA Method, the sample analysis contained in this report cannot exclude the possibility that any reportable GRO measurement was due to environmental contamination of the sample during shipping or storage.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Willeburge

| Company Name:                          | Project Manag                   | Allai  |                   |  |  | Analy  | ysis Requested                       |          |         |                | CHAIN-OF-CUSTODY RECORD  |  |   |              |  |
|--|---------------------------------|--|-------------------|--|--|--------|--------------------------------------|----------|---------|----------------|--|--|---|--------------|--|
| Project Name:  DC Corouse  Sampler(s): | Project ID: 47:179 P.O. Number: |  |                   | ı                                      |  | fals   |                                      |          |         | 1500<br>410–24 | Caton (<br>Baltimo<br>7–7600   | ectral Servic<br>Center Drive,<br>re, MD 212<br>• Fax 410- | Suite G<br>27<br>247–7602                             |              |  |
| Josey Schole                           |                                 |  |                   | 620                                    | 0//0                                   |        | Medals                               |          |         |                | Matrix Codes: NW<br>PW (potable water  | (nonpo   | omdspectral (<br>table water)                         |              |  |
| Field Sample ID                        | Date Tim                        | Water<br>Soii<br>Other                       | No. of Containers | 1                                      | 16H - 1                                |        | PCBS<br>RCRA 8                       |          |         |                | Preservative:<br>1+ 1 HCL, H <sub>2</sub> SO <sub>4</sub> ,<br>Methanol,<br>Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub> | Chlo<br>Requ   | H, Residual<br>orine, QC<br>uest, Trip<br>Field Blank | MSS Lab ID   |  |
| B-1 25-5'                              | 5/8 120                         | o X  | 3                 | $ \lambda $                            | × ×                                    | $\sim$ | シナ                                   |          |         |                |  |  | :   | 4050829-01 A |  |
| B-1 10-5-13'                           | 518 170                         | 5 2  | 3                 | $ \chi\rangle$                         | 72                                     | A      | イナ                                   |          |         |                |  |  |   | ~ø2          |  |
| B-Z 25-5'                              | 5/8 1710                        | Υ  | 3                 |  | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 1      | 41                                   |          |         |                |  |  |   | -03          |  |
| B-2 11.5-14'                           | 5/8/1219                        |  | 3                 | No                                     | <u>ر ک</u>                             | 1      | 24                                   |          |         |                |  |  |   | -04          |  |
| B-3 2.5-5'                             | JK8 1230                        | <u>.                                    </u> | 3                 | 14/                                    | 17                                     | 4      | Xx                                   |          |         |                |  |  |   | -05          |  |
| B-3 11.5-141                           | 5/8/123                         | 5 7  | 13                | 12                                     |  | *(     |                                      |          |         |                |  |  |   | - Ø6         |  |
| B-4 2.5-5'                             | 5/8 Ru                          | 0 7  | 3                 | 12/2                                   | XX                                     | 12     | 21                                   |          |         |                |  |  |   | -07          |  |
| B-4 11.5-14'                           | 5/8/ 124                        | 15 7   | 3                 | 12/1                                   | 1 2                                    | 1      | 47                                   |          |         |                |  |  |   | -08          |  |
| B-S 2.5-5'                             | 218 152                         | 5 1  | 3                 | 12/                                    | 44                                     | 1      | 27                                   |          |         |                |  |  |   | -09          |  |
| B-5 11-13.51                           | 518/125                         |  | 3                 | AF                                     | 1                                      |        | 44                                   |          |         |                |  |  |   | -10          |  |
| Relinquished by: (Signatyre)           | Date/Time                       | Received by: (Sig                            | gnature           | ,                                      |  |        | Relinquished                         | by: (Sig | gnature | ? <i>)</i>     | Date/Tim   | e  | Received by: (S                                       | ignature)    |  |
| (Printed) J. Schick                    | 5/8                             | (Printed)                                    |                   | ······································ |  |        | (Printed)                            |          |         |                |  |  | (Printed)   |              |  |
| Relinquished by: (Signature)           | Date/Time                       | Received by Lab                              | (Signa            | ture)                                  |  |        | Turn Arou                            | ınd Tin  | ne:     |                | Lab Use:   | <u> </u>   | 1 0   |              |  |
| (Printed)                              | 14:30                           | (Princer)                                    | F                 | 05                                     | Je.                                    | r      | Norma<br>Norma<br>O 4 day<br>O 3 day | al (7 da | ау)     |                | Temp:° Received Received Preservat   | same d   | ay -  | 7-41         |  |
| Courier Client UPS FedEx               | structions/QC Re                |  |                   |  |  |        |                                      |          |         | ə:             | Sample Dispo   | osal:<br>Client<br>by lab                                  |   |              |  |
| □ USPS □ Other:                        |                                 |  | ····              |  |  |        |                                      |          |         |                |  |  |   | Page 45 of   |  |