REMEDIAL ACTION PLAN and ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES

Euclid-Woodlawn Redevelopment Site
12500-12524 Euclid Avenue & 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio 44112

November 14, 2024

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APPENDICES

Appendix A VAP Compliant Limited Phase II Investigation

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ACRONYMS	
BGS	Below Ground Surface
CCLRC	Cuyahoga County Land Reutilization Corporation
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
cis-1,2-DCE	cis-1,2- dichloroethene
CNS	Covenant Not To Sue
COC	Chemicals of Concern
CP	Ohio VAP Certified Professional
ESA	Environmental Site Assessment
IA	Identified Area
NEDO	Ohio Environmental Protection Agency Northeast Ohio District Office
NFA	No Further Action
OAC	Ohio Administrative Code
ODNR	Ohio Department of Natural Resources
Ohio EPA	Ohio Environmental Protection Agency
Ohio EPA-DERR	Ohio Environmental Protection Agency-Division of Environmental Response and Revitalization
PAH	Polynuclear Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PID	Photoionization Detector
RAP	Remedial Action Plan
RCRA/RCRIS	Resource Conservation and Recovery Act/ Resource Conservation and Recovery Information System
SVOC	Semi-Volatile Organic Compound
TCE	Trichloroethene
TCLP	Toxicity Characteristic Leaching Procedure
TPH	Total Petroleum Hydrocarbons
UPUS	Unrestricted Potable Use Standard
USD	Urban Setting Designation
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VAP	Voluntary Action Program
VISL	US EPA Vapor Intrusion Screening Levels
VOC	Volatile Organic Compounds
ZVI	Zero-Valent Iron

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1.0 GENERAL INFORMATION AND BACKGROUND

1.1 Project Objective

Partners has developed this Remedial Action Plan (RAP) and Analysis of Brownfields Cleanup Alternatives (ABCA) for the Euclid-Woodlawn Redevelopment Site located at 12500-12524 Euclid Avenue and 1810 Woodlawn Avenue in East Cleveland, Cuyahoga County, Ohio. (Property). This RAP/ ABCA has been prepared for Cuyahoga County Land Reutilization Corporation (CCLRC/Client). It is Partners understanding that future redevelopment plans may include a muti-family, mixed use, or commercial use.

This RAP defines the remedial tasks that will be required in order to be compliant with Ohio Voluntary Action program (VAP) standards for residential land use, commercial/industrial land use and construction/excavation activities.

1.2 Project Property

The Property is listed on the Cuyahoga County Auditor's website as three individual tax parcels identified as Parcel Numbers 672-13-009, 672-13-010, and 672-13-011. The Property is currently comprised of approximately 0.75 acres of vacant land and gravel parking. The Property is currently owned by CCLRC. The Property location is shown on **Figure 1**.

This RAP addresses one soil remedial action area and one groundwater remedial action area. The soil remedial action area consists of an approximately 1,500-square foot area located on the southeastern portion of the Property. The groundwater remedial action area consists of an approximately 8,500-square foot area that encompasses the soil remediation area and extends north to the Property boundary.

1.3 Potential Adverse Impacts Caused by Extreme Weather

The Property is located in East Cleveland, Ohio which has a moderate climate. The primary concerns for adverse weather would be extreme heat or extreme snow/cold.

According to the Federal Emergency Management Agency (FEMA) Flood Zone Map 39035C0088E, the Property is located in a Minimal Flood Hazard Area as determined by FEMA (https://fema.gov).

The Property is located in an urbanized area of the City of East Cleveland, with little to no wildfire risk. There is an established fire department within close proximity of the Property.

Therefore, the potential for adverse impacts due to extreme weather are considered minimal.

No structures are currently present at the Property. The northeastern portion of the Property is currently developed with a gravel surfaced parking area. The remainder of the Property is grass or gravel covered.

Based on the geography of the Property and its proposed reuse (residential, mixed use or commercial), changing temperature, rising sea levels, wildfires, changing dates of ground thaw/freezing, changing ecological zone, saltwater intrusion and changing groundwater table are not likely to significantly affect the Property.

1.4 Previous Investigations

Partners has worked closely with CCLRC since 2019 to work towards the redevelopment of the Property. Partners has prepared the following reports for the Property and adjoining sites.

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- *Phase I Environmental Site Assessment, Mickeys Parcels Site, 12550-12558 Euclid Avenue, 1819-1823 and 1810 Woodlawn Avenue, East Cleveland, Ohio* dated May 23, 2019.
- *Limited Phase II Investigation, Mickey's Parcels Site, 12550 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio, for University Circle, Inc.,* dated August 15, 2019.
- *Supplemental Phase II Investigation, Mickey's Parcels Site, 12550 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio, for University Circle, Inc.,* dated November 27, 2019.
- *Phase I Environmental Site Assessment, Mickeys Parcels Site, 12520-12570 Euclid Avenue and 1810 Woodlawn Avenue, East Cleveland, Ohio* dated January 22, 2021.
- *Limited Phase II Investigation, Vacant Commercial Building, 12524 Euclid Avenue, East Cleveland, Ohio* dated January 28, 2022.
- *Phase I Environmental Site Assessment, Former Gasoline Filling Station, 12500 Euclid Avenue, East Cleveland, Ohio* dated October 13, 2021.
- *Limited Phase II Investigation, Former Gasoline Filling Station, 12500 Euclid Avenue, East Cleveland, Ohio* dated February 10, 2022.
- *Closure Assessment, 1810 Woodlawn Avenue, East Cleveland, Ohio* dated July 12, 2022.

Findings of the previous assessments have revealed concentrations of TCE exceeding applicable standards in soil (direct contact construction worker), groundwater (unrestricted potable use and vapor intrusion to indoor air) and soil gas/sub-slab vapor (trench worker and vapor migration to indoor air). In short, the previous assessments have identified chlorinated solvents, and TCE in particular, to be the primary COCs driving human health risk.

Future receptors at the Property may include residents, commercial workers, and construction/excavation workers.

Previous Soil Gas/Sub-slab Vapor Testing Discussion

Partners installed one (1) soil gas monitoring point (SV-02) at the Property in July 2019 and two (2) soil gas monitoring points (SV-03 and SV-04) at the Property in November 2019.

Three (3) sub-slab vapor monitoring points were installed inside the building formerly located on the northeastern portion of the Property (SSV-01, SSV-02, and SSV-03) in January 2022.

The sub-slab vapor and soil gas samples were analyzed for VOCs by USEPA Method 8260, Compendium TO-15.

Sub-Slab Vapor

With the exception TCE, all detected VOC concentrations were below the Ohio VAP Generic Indoor Air Standards due to Vapor Intrusion (Residential Use Category) with the applied attenuation factor of 0.03.

The concentration of TCE in SSV-01 (675 micrograms per cubic meter [$\mu g/m^3$]) and SSV-01 Duplicate (1,220 $\mu g/m^3$) exceeded the applicable standard of 70 $\mu g/m^3$. SSV-01 is located in the southern portion of the former building.

Soil Gas

With the exception of TCE, the detected VOC analytes were below their respective VAP comparison standards with the applied attenuation factor.

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At SV-02 and SV-03, TCE was present at concentrations of 4,270 µg/m^3 and 325 µg/m^3, which exceed the standards for TCE in a residential scenario with the applied attenuation factor (70 µg/m^3).

The sample locations are depicted in **Figure 2**. The VOC Exceedances in soil gas and sub-slab vapor are shown in **Figure 3**.

VAP-Compliant Phase II

Based on the previous work at the Property, Partners completed additional investigation activities, the results of which are summarized in the following report.

- *VAP Compliant Limited Phase II Investigation, Euclid-Woodlawn Redevelopment Site, 12500-12524 Euclid Avenue and 1810 Woodlawn Avenue, East Cleveland, Cuyahoga County, Ohio* dated August 20, 2024.

The VAP Compliant Phase II Investigation Activities were completed to better delineate potential TCE source areas and to determine the horizontal and vertical extent of the TCE above VAP standards (direct contact and leaching to groundwater) in soil and above vapor intrusion screening levels (VISL) in groundwater at the Property. The information gathered through these activities was used to evaluate the feasibility and cost to reduce soil contaminant levels through removal and disposal and/or in situ treatment of impacted soils as well as to optimize an in-situ groundwater remediation plan. A copy of the report is included as **Appendix A**.

During this most recent assessment, Partners advanced a total of 46 soil borings, installed three new groundwater monitoring wells, redeveloped two existing groundwater monitoring wells, and sampled all five wells. The boring/sample locations are depicted in **Figure 2**.

Select soil samples were submitted for laboratory analysis based on a combination of historical information, field observations (visual or odor), PID screening results, the most likely depth of a release, and/or the potential point of compliance. Based on the conditions under assessment, soil samples were analyzed for VOCs by the USEPA Method 8260 (68 samples).

In addition to the VOC analysis, TCLP samples were selected from the two highest TCE results for waste characterization purposes and analyzed for TCLP VOCs, TCLP SVOCs, and TCLP RCRA 8 Metals (two samples).

Groundwater samples were collected and submitted for laboratory analyses of VOCs by USEPA Method 8260 (five samples).

Results

Subsurface Conditions

The subsurface profile may be generalized as discontinuous areas of brown to gray lean clay fill with varying amounts of gravel, concrete rubble, and brick rubble from the ground surface to depths ranging from 0.5 feet below ground surface (bgs) to 12.0 feet bgs. The fill materials are underlain by brown silty sand and/or light brown to gray lean clay to up to 15.5 feet bgs. Native soils were observed to have hydrocarbon odors and staining at various locations. Native soils were underlain by weathered gray shale bedrock from approximately six feet to as deep as 16 feet bgs and competent shale to the terminal depth of the borings (16 feet bgs). The boring and well logs are included in the attached VAP Compliant Limited Phase II Report (**Appendix A**).

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Soil Analytical Results

Results of current analytical testing indicate that all VOC analytical results were below the respective Ohio VAP GDCS standards and Leach-Based Soil Values cited for comparison, except for TCE in nine soil samples, benzene in two soil samples and cis-1,2- DCE in one soil sample.

Results of analytical testing indicate that all TCLP VOC, SVOC and metals analytical results were below the Maximum Concentration Table for Toxicity Characteristics Levels cited for comparison except for TCE in one sample (F-3A 8-10' [4.6 mg/l]) was detected above the TCLP Maximum Concentration Level of 0.5 mg/l.

The VOC Exceedances in soil are shown in **Figure 4**.

Groundwater Analytical Results

Results of analytical testing indicate that all detected VOC concentrations in groundwater were well below the applicable Ohio VAP UPUS and USEPA VISL cited for comparison except for 1,1-dichloroethene detected above the Ohio EPA UPUS in two samples, cis-1,2-DCE detected above UPUS in two samples, vinyl chloride detected above UPUS in two samples and TCE detected above the US EPA Vapor Intrusion Screening Levels (VISL) for Commercial Use, US EPA VISL for Residential Use, and/or Ohio EPA UPUS in six samples.

The Distribution of VOCs in Groundwater are shown in **Figure 5**.

Recommendations

Partners recommended a Remedial Action Plan be developed to address soils and groundwater impacted by TCE to reduce contaminant levels in the source area and ensure residential groundwater VISL standards are not, and will not be, exceeded at the Property boundary.

The area of potential redevelopment was described as the eastern portion of the Property, including the current gravel parking lot and the grass-covered area south of the parking lot. The remedial action area for soil consists of an approximately 1,500-square foot portion of the redevelopment area. The groundwater remedial action area consists of an approximately 8,500-square foot area that encompasses the soil remediation area and extends north to the Property boundary. The location and extents of the remedial action areas are shown in **Figure 6**.

1.5 Planned Redevelopment

The planned reuse for the Property may include a multi-family, mixed use, or commercial use.

2.0 APPLICABLE REGULATIONS AND CLEANUP STANDARDS

The Ohio EPA VAP standards were used for evaluation of Property conditions.

Evaluation of Soil

The Ohio VAP Generic Numerical Direct Contact Soil Standards (GDCS) for the Residential Land Use Category, Commercial/Industrial Land Use Category, and Construction/Excavation Activities Category (Ohio Administrative Code [OAC] 3745-300-08) were used for evaluation of the results of soil analyses.

Soil Samples were also compared to the Ohio EPA VAP Derived Leach-Based Soil values for Soil Type II.

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TCLP samples were compared to the Maximum Concentration of Contaminants for the Toxicity Characteristic Table in the CFR Title 40 261.24.

Evaluation of Groundwater

Results of groundwater analyses were compared to the Ohio VAP Generic and Risk-Based Unrestricted Potable Use Standards (UPUS, OAC Rule 3745-300-08, Appendix Table VIII and IX). The UPUS standards were developed based on the assumption that groundwater will be used as a source for drinking, cooking, and bathing.

Results of groundwater sampling were also compared to the USEPA Vapor Intrusion Screening Levels (VISL) Target Groundwater Concentrations for Residential Land Use and Commercial Land Use and with a carcinogenic risk of $1E^{-5}$, hazard quotient of 1, an attenuation factor (AF) of 0.001, and a groundwater temperature of 11 degrees Celsius in accordance with the Ohio EPA document *Sample Collection and Evaluation of Vapor Intrusion to Indoor Air for Remedial Response, RCRA and VAP.*

Evaluation of Sub-Slab Vapor and Soil Gas

Results of sub-slab vapor and soil gas analyses were compared to the Ohio VAP Generic Indoor Air Standards due to Vapor Intrusion, Commercial/Industrial Land Use category (OAC rule 3745-300-08, Appendix Table V). To evaluate sub-slab vapor/soil gas results, an attenuation factor is applied to the indoor air standard to account for the reduction in concentration during vapor migration in the subsurface coupled with the dilution that occurs when the vapors enter a building and mix with indoor air. In accordance with Ohio EPA guidance and USEPA Guidance (June 2015), an attenuation factor of 0.03 was applied to the Indoor Air Standards.

Where applicable, the comparison standard was obtained from the Ohio EPA document titled *Response Action Levels for COCs at Vapor Intrusion Sites in Ohio* (Ohio EPA, 2016).

3.0 EVALUATION OF CLEANUP ALTERNATIVES

3.1 Cleanup Alternatives Considered

To address contamination at the Property, three different alternatives were considered, including:

Alternative #1: No Action.

Alternative #2: Complete removal of impacted soil and in-situ treatment of groundwater, with VAP No Further Action (NFA) submitted along with a request for a Covenant Not To Sue (CNS) from the Ohio EPA once applicable VAP standards are demonstrated to have been achieved.

Alternative #3: In-situ treatment of groundwater, in-situ treatment of soil in the six to 12-foot interval, and consideration for the installation of a sub-slab depressurization system during construction of the future building, with VAP NFA submitted along with a request for a CNS from the Ohio EPA once applicable VAP standards are achieved.

3.2 Effectiveness, Implementability and Cost of Cleanup Alternatives

To satisfy EPA requirements, the effectiveness, implementability, and cost of each alternative was considered prior to selecting a recommended cleanup alternative.

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Effectiveness

Alternative #1: No Action is not effective in controlling or preventing the exposure of receptors to contamination at the Property. New construction would be complicated by potential worker exposure to contaminants in soil and the vapor migration to trenches and indoor air. Further, the potential for future off-site migration of contaminants would remain as the source area of contaminants in soil would remain. Climate change conditions such as extreme heat or extreme snow/cold would require additional energy to cool buildings during hot months and heat buildings during cold months.

Alternative #2: Complete removal of approximately 485 tons of impacted soil in the remedial area from the six foot below ground surface (bgs) to 12 foot bgs interval followed by the placement of approximately 485 tons of engineered fill to replace the excavated soil is an effective method to address conditions at the Property. In-situ treatment of groundwater, as described in **Section 4.1**, is an effective way to eliminate risk at the Property. Contamination in the saturated zone and soil in the six to 12-foot interval will be removed and disposed of properly, and the trench worker vapor exposure will no longer be a concern. Vapor mitigation for any new building may still be required even after soil removal and groundwater treatment under Ohio's VAP or a presumptive vapor mitigation may be implemented.

Alternative #3: In-situ treatment of groundwater and treatment of soil in the six to 12-foot interval, as described in **Section 4.1,** is an effective way to eliminate risk at the Property. Contamination in the saturated zone will be removed, impacted soil will be treated, and vapor exposure concern for the construction worker will no longer exist. Vapor mitigation for any new building will need to be evaluated post-remedy under the VAP prior to new construction or a presumptive mitigation (e.g., vapor extraction system to eliminate the risk of TCE vapors entering the building) may be implemented.

Implementability

Alternative #1: No Action is easy to implement since no actions will be conducted.

Alternative #2: This alternative would pose difficulties due to the urban setting. This alternative would require the removal of impacted soil from six to 12 feet over an area of about 1,500 square feet in this mixed residential/commercial area of East Cleveland. The mass excavation (485 tons) would increase the risk of acute exposure of TCE vapors to sensitive populations in the neighborhood. The increased truck traffic for transporting soil off-site and importing clean soil would expose residents to increased emissions and stress the City's streets.

One consideration that may make excavation slightly more difficult to implement is the increased frequency of heavy rainfall events that has been experienced in recent years in East Cleveland, Ohio. Although efforts will be made to schedule the work in the dry weather months, the amount of precipitation over a short period of time from one of these heavy rainfall events could raise the groundwater level and increase dewatering needs.

Alternative #3: In-situ treatment of groundwater and soil is relatively safe and easy to implement. Dust suppression and air monitoring will be necessary to protect the community during cleanup activities. This alternative will require less truck traffic than Alternative #2. Vapor mitigation for any new building may still be required even after soil removal and groundwater treatment under Ohio's VAP.

Cost

Alternative #1: There would be no costs for the No Action alternative.

Alternative #2: Complete removal of impacted soil and in-situ groundwater treatment would cost on the order of **$416,603**, including VAP related activities to attain an NFA and CNS. Refer to the Alternative #2 table below for a breakdown of the costs.

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Alternative #3: In-situ treatment of soil and groundwater would cost on the order of **$358,910**, including VAP related activities to attain an NFA and CNS. Refer to the Alternative #3 table below for a breakdown of the costs.

The following are budgetary probable costs, based on Partners experience and the specific scope of tasks anticipated at this time to implement the planned remedies and VAP activities.

ALTERNATIVE #1 TASKS	COST
No Action	$0
TOTAL COSTS	**$0**

ALTERNATIVE #2 TASKS	COST
Prepare Soil Specifications and Assist in Selection of Contractor	$4,500
Targeted Soil Removal, Transport, Disposal & Import Clean Fill	$207,593 (1)
Oversight, Project Coordination & Waste Characterization	$10,750
Prepare Groundwater Specifications and Assist in Selection of Contractor	$5,000
In-Situ Groundwater Treatment	$101,560 (2)
Oversight and Project Coordination	$6,200
Groundwater Monitoring (6 Events)	$24,000 (3)
Remedial Action Completion Report	$8,500
Additional VAP Activities	$48,500 (4)
TOTAL COSTS	**$416,603**

ALTERNATIVE #3 TASKS	COST
Prepare Specifications and Assist in Selection of Remediation Contractor	$4,500
Targeted Soil Excavation and In Situ Treatment	$149,450 (5)
Oversight of In-Situ Soil Treatment Activities	$11,200 (6)
Prepare Groundwater Specifications and Assist in Selection of Contractor	$5,000
In-Situ Groundwater Treatment	$101,560 (2)

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ALTERNATIVE #3 TASKS	COST
Oversight and Project Coordination	$6,200
Groundwater Monitoring (6 Events)	$24,000 (3)
Remedial Action Completion Report	$8,500
Additional VAP Activities	$48,500 (4)
TOTAL COSTS	**$358,910**

(1) Costs for excavating, transport, disposal of 485 tons and import of clean fill at approximately $372 per ton. The cost also includes 15% added as an adjustment for inflation assuming work will be completed within two years of award.
(2) Costs for in-situ groundwater treatment include three days of labor at $33,700 and treatment materials cost of $ $54,613. The cost also includes 15% added as an adjustment for inflation assuming work will be completed within two years of award.
(3) The cost includes four quarterly and two semi-annual groundwater monitoring events at $4,000 per event.
(4) VAP Activities include VAP PI Report, VAP PII Report, RMP, TA/Agency Communications, and NFA Letter.
(5) Costs of targeted soil excavation and in-situ treatment of 485 tons of soil at approximately $268 per ton. The cost also includes 15% added as an adjustment for inflation assuming work will be completed within two years of award.
(6) The cost for project oversight is based on a total of 5 work shifts at $2,240 per shift.

3.3 Alternatives Not Selected

Based on project size, time, cost, intended future Property use and planned construction/end use requirements:

Alternative #1 – No Action was deemed infeasible because soil and groundwater contamination would remain at the Property and because of the possibility of impacted groundwater migrating off-site.

Alternative #2 - Complete Removal of Impacted Soil and In-Situ Groundwater Treatment was deemed inappropriate due to the high cost of removal, transportation and disposal of impacted soil. In-situ treatment of groundwater is an effective way to eliminate risk at the Property. However, the mass excavation would increase the risk of acute exposure of TCE vapors to sensitive population in the neighborhood. In addition, the increased truck traffic for transporting soil off-site and importing clean soil would expose residents to increased emissions and stress the City's streets.

4.0 CHOSEN ALTERNATIVE

The RAP has been completed in accordance with Ohio VAP protocols and methods. The RAP is designed to address areas of the Property impacted by VOCs (TCE in soil, groundwater and soil gas) in the eastern portion of the Property.

Based on the evaluation criteria Alternative #3 – In-situ Treatment of Soil and Groundwater was deemed appropriate because it would be the most cost effective and most easily implementable of the listed alternatives to facilitate the planned use of the Property. In-situ treatment of groundwater and soil is an effective way to eliminate risk at the Property. Contamination in the saturated zone will be removed, impacted soil will be treated, and vapor exposure concern for the construction worker will no longer exist.

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In-situ treatment of groundwater and soil is relatively safe and easy to implement. Additional detail regarding the implementation of Alternative #3 follows.

4.1 Remedial Action

The soil remedial action includes the following tasks:

Remove the upper six feet of soil in the soil remediation area (**Figure 6**) and temporarily stockpile it nearby on-Property. The underlying TCE impacted six to 12' bgs interval of soil will be treated in-place with chemical and/or biological additives (to be determined by the remediation contractor) to reduce the TCE and its daughter product concentrations to acceptable levels and the treated soil will remain in place. The acceptable Target Level for TCE in soil is a linear adjustment of the Leach-Based Soil Value, which is calculated by applying the ratio between the groundwater Residential VISL and VAP UPUS values to the Leach-Based Soil Value. The resulting Target Level for TCE in soil is 0.045 mg/kg.

Existing TCE concentrations are summarized in the attached VAP Compliant Limited Phase II Investigation (**Appendix A**).

Once soil remediation is complete, the soil will be stabilized with Calciment or similar additive so that the treated soil can support compacted backfill and the previously removed and stockpiled upper six feet of soil would then be backfilled into the soil remediation area. The backfilled soil remediation area will then be compacted to support construction traffic.

The groundwater remedial action will include in situ treatment of groundwater and includes the following tasks.

The in situ injection program will target TCE and its daughter products, such as cis-1,2-DCE and vinyl chloride. An appropriate number of injection points (number and spacing to be determined by the remediation contractor) will be needed to treat the approximately 8,500-square foot groundwater remediation area (**Figure 6**). The injections will be made at appropriate depths bgs to target the impacted groundwater and saturated soils, up to 20 feet bgs.

The injection program will utilize direct-push technology to apply the proposed injectant(s). The overall program will be designed to reduce source area concentrations and limit plume migration, as well as promote conditions in the saturated zone favorable to biologically or chemically degrade (injectant to be determined by remediation contractor) chlorinated VOCs. The resulting emplacement will treat dissolved phase chloroethenes.

Subsequent rounds of groundwater monitoring of the five existing wells to confirm the effectiveness of the treatment. Partners will complete four quarterly groundwater monitoring events, followed by semi-annual groundwater monitoring until target levels are achieved and the injectant is no longer active.

4.1.1 Remedial Completion Reporting

Upon completion of the remedial activities described above, including groundwater monitoring, a completion report will be prepared by Partners. The remediation contractors will provide Partners documentation to include actual quantities of soil disposed/imported, compaction records, actual injection locations, depth intervals and volumes injected. The completion report will include the contractor-provided information and provide data with supporting documentation demonstrating the effectiveness of the remedial actions.

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5.0 GREEN AND SUSTAINABLE REMEDIATION MEASURES FOR SELECTED ALTERNATIVE

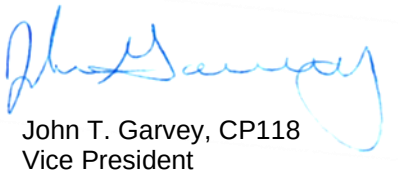
To make the selected alternative greener, or more sustainable, several techniques are planned. The most recent Best Management Practices (BMPs) issued under ASTM Standard E-2893: Standard Guide for Greener Cleanups will be used as a reference in this effort. A request will be made to the cleanup contractor to follow an idle-reduction policy and use heavy equipment with advanced emissions controls operated on ultra-low sulfur diesel. The excavation work could be conducted during the dry-weather months (summertime) in order to minimize groundwater infiltration into the excavation area, in turn reducing dewatering needs and the amount of dewatering liquids requiring disposal/treatment. The number of mobilizations to the Property would be minimized and erosion control measures would be used to minimize runoff into environmentally sensitive areas.

6.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (800) 763-1363 if you have any questions or if we can be of any further assistance.

Sincerely,
Partners

Christopher J. Butcher
Senior Project Manager



John T. Garvey, CP118
Vice President

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FIGURES

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PROPERTY LOCATION MAP

EUCLID-WOODLAWN REDEVELOPMENT SITE

12500-12524 EUCLID AVENUE & 1810 WOODLAWN AVENUE
EAST CLEVELAND, CUYAHOGA COUNTY, OHIO

FOR: OHIO DERR
2296.16

PARTNERS
31100 Solon Road, Suite G
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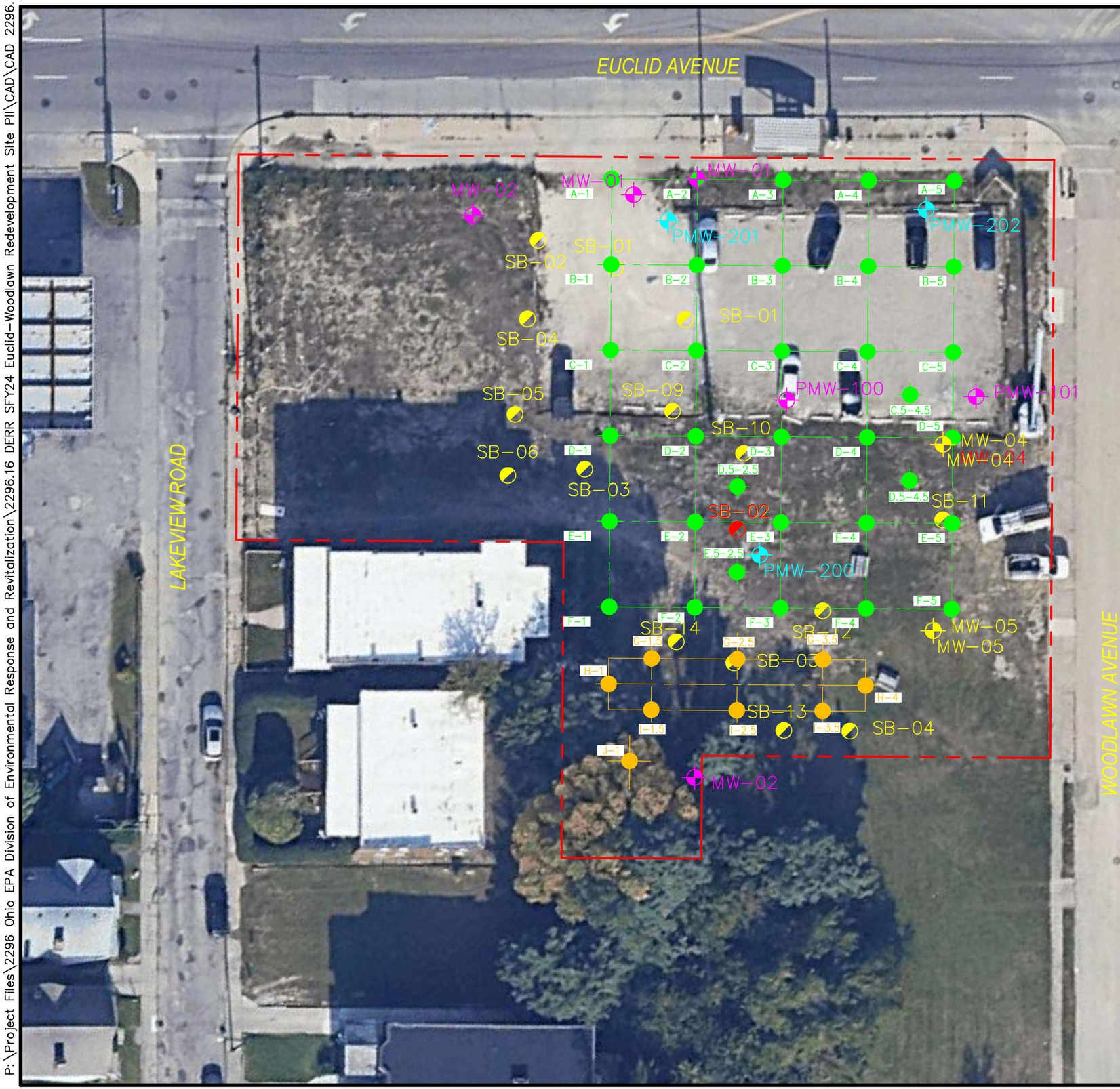
SCALE: 1" = 1,000'

FIGURE
1



LEGEND

- PMW-202 - MONITORING WELL LOCATION (JUNE 2024)
- MW-05 - MONITORING WELL LOCATION (OCTOBER 2019)
- MW-01 - FORMER MONITORING WELL LOCATION (REMOVED)
- A-1 - SOIL BORING LOCATION (MAY 2024)
- H-1 - SOIL BORING LOCATION (JULY 2024)

SAMPLE LOCATION PLAN

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio

FOR: Cuyahoga County Land Reutilization Corporation

896.124

PARTNERS
31100 Solon Road, Suite G
Solon, Ohio 44139
800-763-1363

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SCALE: 1" = 30'

FIGURE
2

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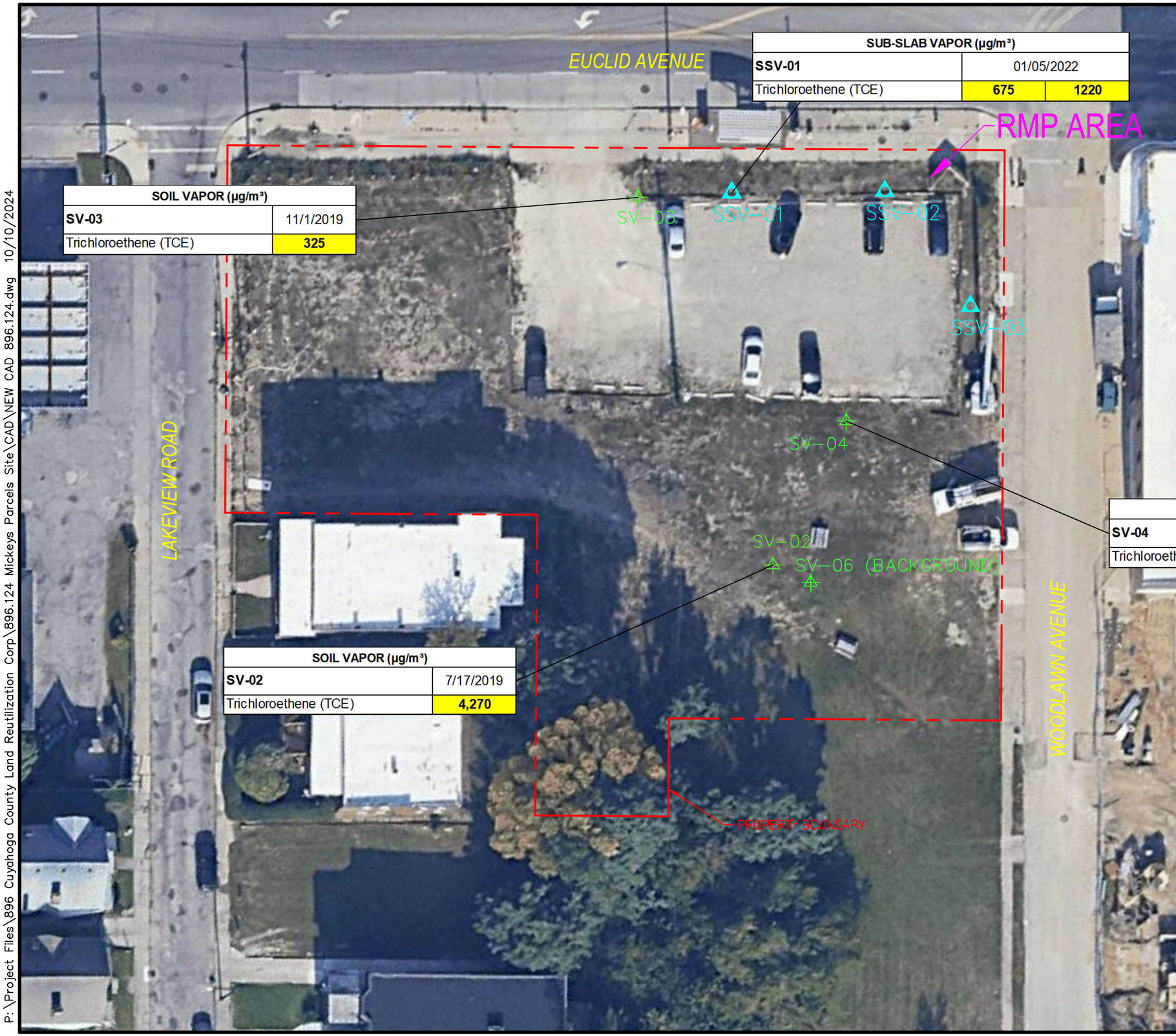

SUB-SLAB VAPOR (µg/m³)		
SSV-01	01/05/2022	
Trichloroethene (TCE)	675	1220

SOIL VAPOR (µg/m³)	
SV-03	11/1/2019
Trichloroethene (TCE)	325

SOIL VAPOR (µg/m³)	
SV-04	11/1/2019
Trichloroethene (TCE)	156

SOIL VAPOR (µg/m³)	
SV-02	7/17/2019
Trichloroethene (TCE)	4,270

LEGEND

- SUB-SLAB VAPOR SAMPLE LOCATION
- SOIL GAS SAMPLE LOCATION

TCE EXCEEDANCES IN SOIL GAS & SUB-SLAB VAPOR MAP

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
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FIGURE
3

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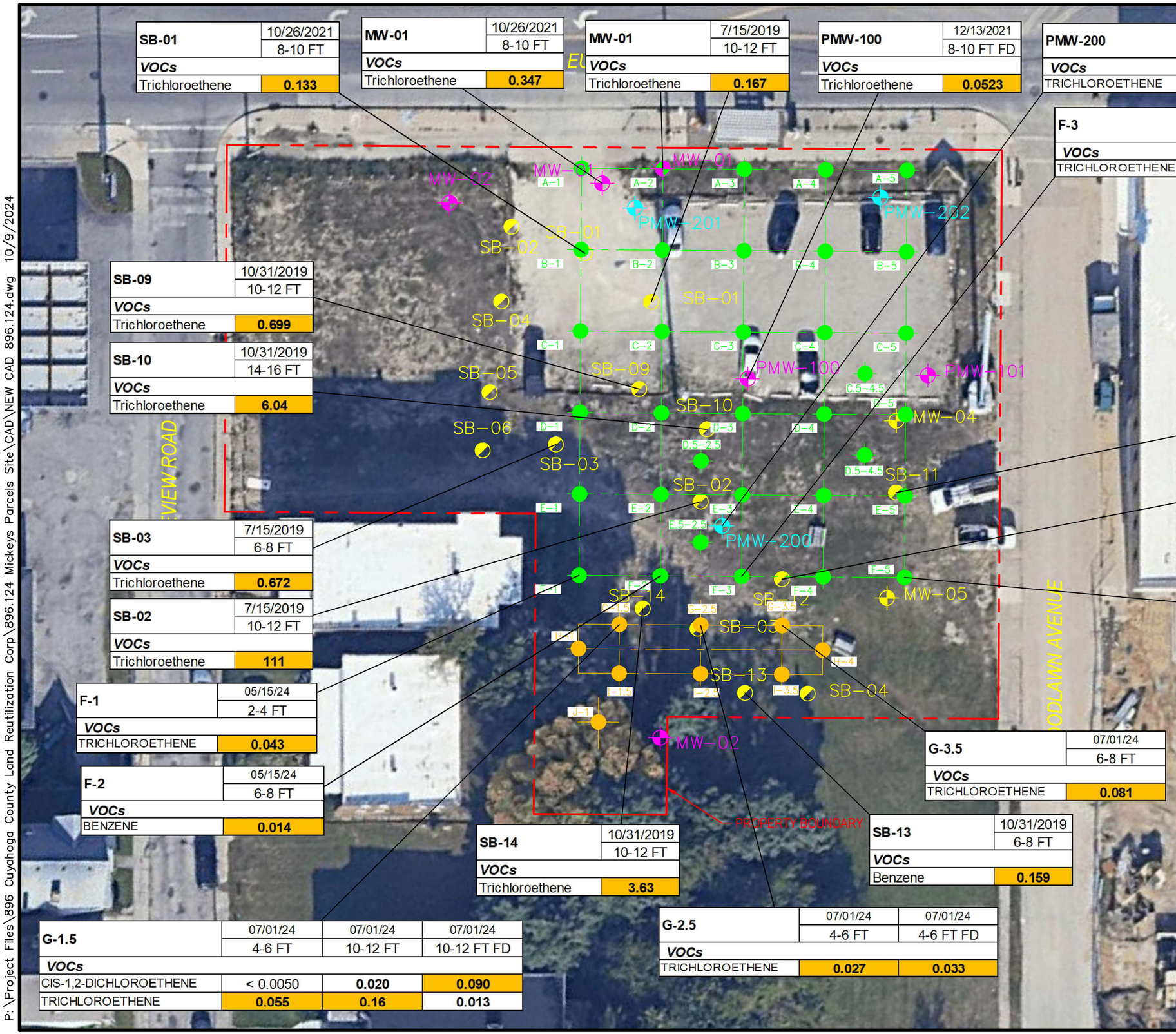

SB-01	10/26/2021
	8-10 FT
VOCs	
Trichloroethene	**0.133**

MW-01	10/26/2021
	8-10 FT
VOCs	
Trichloroethene	**0.347**

MW-01	7/15/2019
	10-12 FT
VOCs	
Trichloroethene	**0.167**

PMW-100	12/13/2021
	8-10 FT FD
VOCs	
Trichloroethene	**0.0523**

PMW-200	06/05/24
	8-10 FT
VOCs	
TRICHLOROETHENE	**4**

F-3	05/15/24	05/15/24
	6-8 FT	8-10 FT
VOCs		
TRICHLOROETHENE	**0.092**	**7.8**

SB-09	10/31/2019
	10-12 FT
VOCs	
Trichloroethene	**0.699**

SB-10	10/31/2019
	14-16 FT
VOCs	
Trichloroethene	**6.04**

SB-03	7/15/2019
	6-8 FT
VOCs	
Trichloroethene	**0.672**

SB-02	7/15/2019
	10-12 FT
VOCs	
Trichloroethene	**111**

F-1	05/15/24
	2-4 FT
VOCs	
TRICHLOROETHENE	**0.043**

F-2	05/15/24
	6-8 FT
VOCs	
BENZENE	**0.014**

SB-14	10/31/2019
	10-12 FT
VOCs	
Trichloroethene	**3.63**

G-1.5	07/01/24	07/01/24	07/01/24
	4-6 FT	10-12 FT	10-12 FT FD
VOCs			
CIS-1,2-DICHLOROETHENE	< 0.0050	**0.020**	**0.090**
TRICHLOROETHENE	**0.055**	**0.16**	**0.013**

G-2.5	07/01/24	07/01/24
	4-6 FT	4-6 FT FD
VOCs		
TRICHLOROETHENE	**0.027**	**0.033**

SB-13	10/31/2019
	6-8 FT
VOCs	
Benzene	**0.159**

G-3.5	07/01/24
	6-8 FT
VOCs	
TRICHLOROETHENE	**0.081**

LEGEND

- PMW-202 - MONITORING WELL LOCATION (JUNE 2024)
- MW-05 - MONITORING WELL LOCATION (OCTOBER 2019)
- MW-01 - FORMER MONITORING WELL LOCATION (REMOVED)
- A-1 - SOIL BORING LOCATION (MAY 2024)
- H-1 - SOIL BORING LOCATION (JULY 2024)

SB-11	10/31/2019	10/31/2019
	0-2 FT	14-16 FT
VOCs		
Trichloroethene	**0.229**	**0.12**

SB-12	10/31/2019	10/31/2019
	0-2 FT	10-12 FT
VOCs		
Trichloroethene	**0.0316**	**0.224**

F-5	05/14/24
	6-8 FT
VOCs	
BENZENE	**0.0098**

Volatile Organic Compounds - VOCs	*Ohio EPA Generic Leach-Based Soil Values - Soil Type II*
BENZENE	*0.009*
CIS-1,2-DICHLOROETHENE	*0.07*
TRICHLOROETHENE	*0.023*

VOCs IN SOIL EXCEEDING LEACH-BASED VALUES

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FIGURE
4

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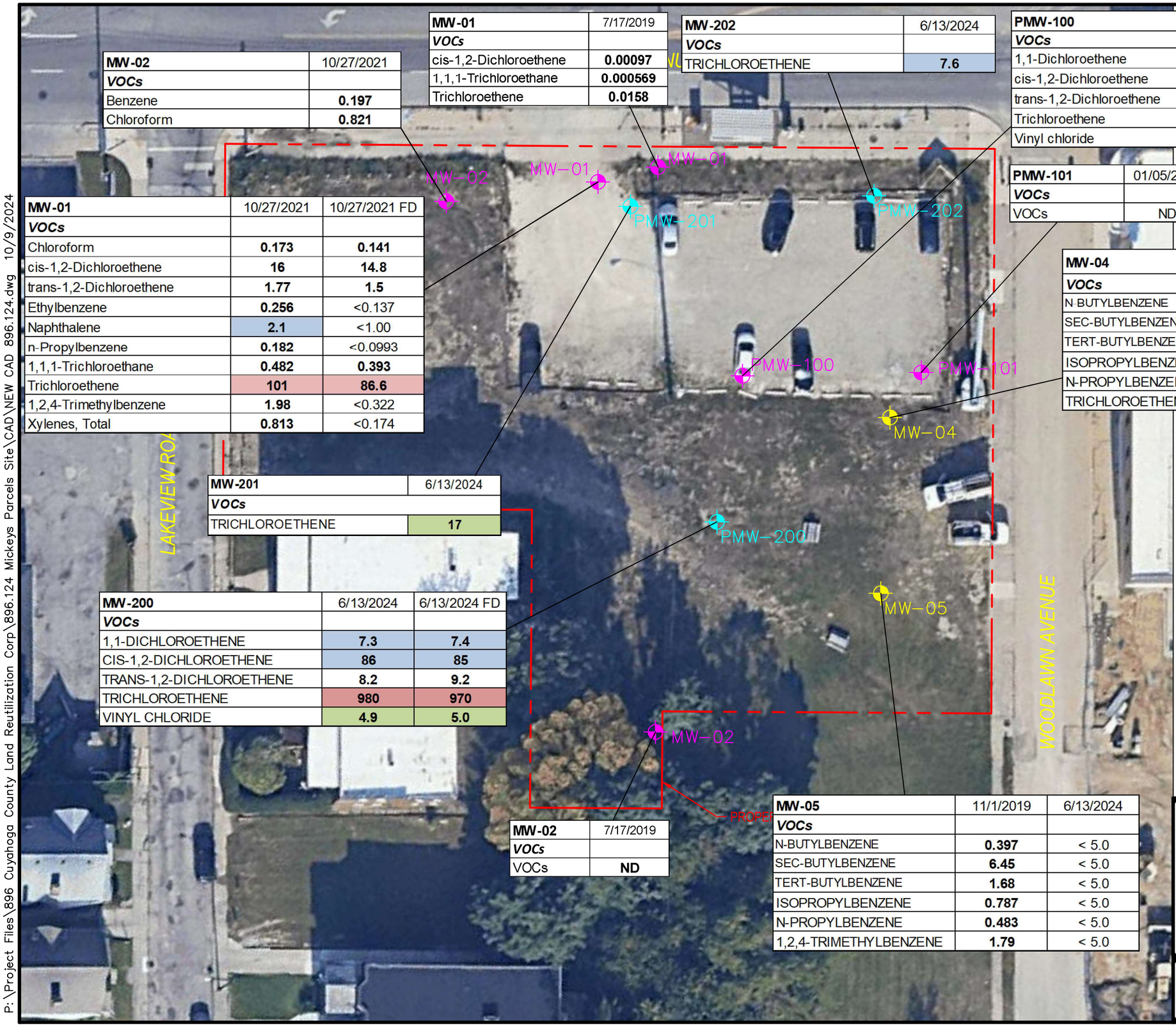

MW-02	10/27/2021
VOCs	
Benzene	0.197
Chloroform	0.821

MW-01	7/17/2019
VOCs	
cis-1,2-Dichloroethene	0.00097
1,1,1-Trichloroethane	0.000569
Trichloroethene	0.0158

MW-202	6/13/2024
VOCs	
TRICHLOROETHENE	7.6

PMW-100	01/05/2022
VOCs	
1,1-Dichloroethene	0.652
cis-1,2-Dichloroethene	7.95
trans-1,2-Dichloroethene	0.655
Trichloroethene	401
Vinyl chloride	0.53

PMW-101	01/05/2022	01/05/2022 FD
VOCs		
VOCs	ND	ND

MW-01	10/27/2021	10/27/2021 FD
VOCs		
Chloroform	0.173	0.141
cis-1,2-Dichloroethene	16	14.8
trans-1,2-Dichloroethene	1.77	1.5
Ethylbenzene	0.256	<0.137
Naphthalene	2.1	<1.00
n-Propylbenzene	0.182	<0.0993
1,1,1-Trichloroethane	0.482	0.393
Trichloroethene	101	86.6
1,2,4-Trimethylbenzene	1.98	<0.322
Xylenes, Total	0.813	<0.174

MW-04	11/1/2019	6/13/2024
VOCs		
N-BUTYLBENZENE	0.409	< 5.0
SEC-BUTYLBENZENE	7.37	< 5.0
TERT-BUTYLBENZENE	1.87	< 5.0
ISOPROPYLBENZENE	4.74	< 5.0
N-PROPYLBENZENE	1.27	< 5.0
TRICHLOROETHENE	10	< 5.0

MW-201	6/13/2024
VOCs	
TRICHLOROETHENE	17

MW-200	6/13/2024	6/13/2024 FD
VOCs		
1,1-DICHLOROETHENE	7.3	7.4
CIS-1,2-DICHLOROETHENE	86	85
TRANS-1,2-DICHLOROETHENE	8.2	9.2
TRICHLOROETHENE	980	970
VINYL CHLORIDE	4.9	5.0

MW-02	7/17/2019
VOCs	
VOCs	ND

MW-05	11/1/2019	6/13/2024
VOCs		
N-BUTYLBENZENE	0.397	< 5.0
SEC-BUTYLBENZENE	6.45	< 5.0
TERT-BUTYLBENZENE	1.68	< 5.0
ISOPROPYLBENZENE	0.787	< 5.0
N-PROPYLBENZENE	0.483	< 5.0
1,2,4-TRIMETHYLBENZENE	1.79	< 5.0

LEGEND

- PMW-202 - MONITORING WELL LOCATION (JUNE 2024)
- MW-05 - MONITORING WELL LOCATION (OCTOBER 2019)
- MW-01 - FORMER MONITORING WELL LOCATION (REMOVED)

Notes
1. VOCs = Volatile Organic Compounds
2. FD = Duplicate Sample
3. Only detections are shown
4. All results are presented in micrograms per liter (ug/l) or parts per billion (ppb)
5. Shaded results indicate an exceedance of a comparison standard (see below).

Comparison Standards		
VAP Standard	USEPA	
UPUS	Residential VISL	Commercial VISL

VOC CONCENTRATIONS IN GROUNDWATER MAP

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FIGURE 5

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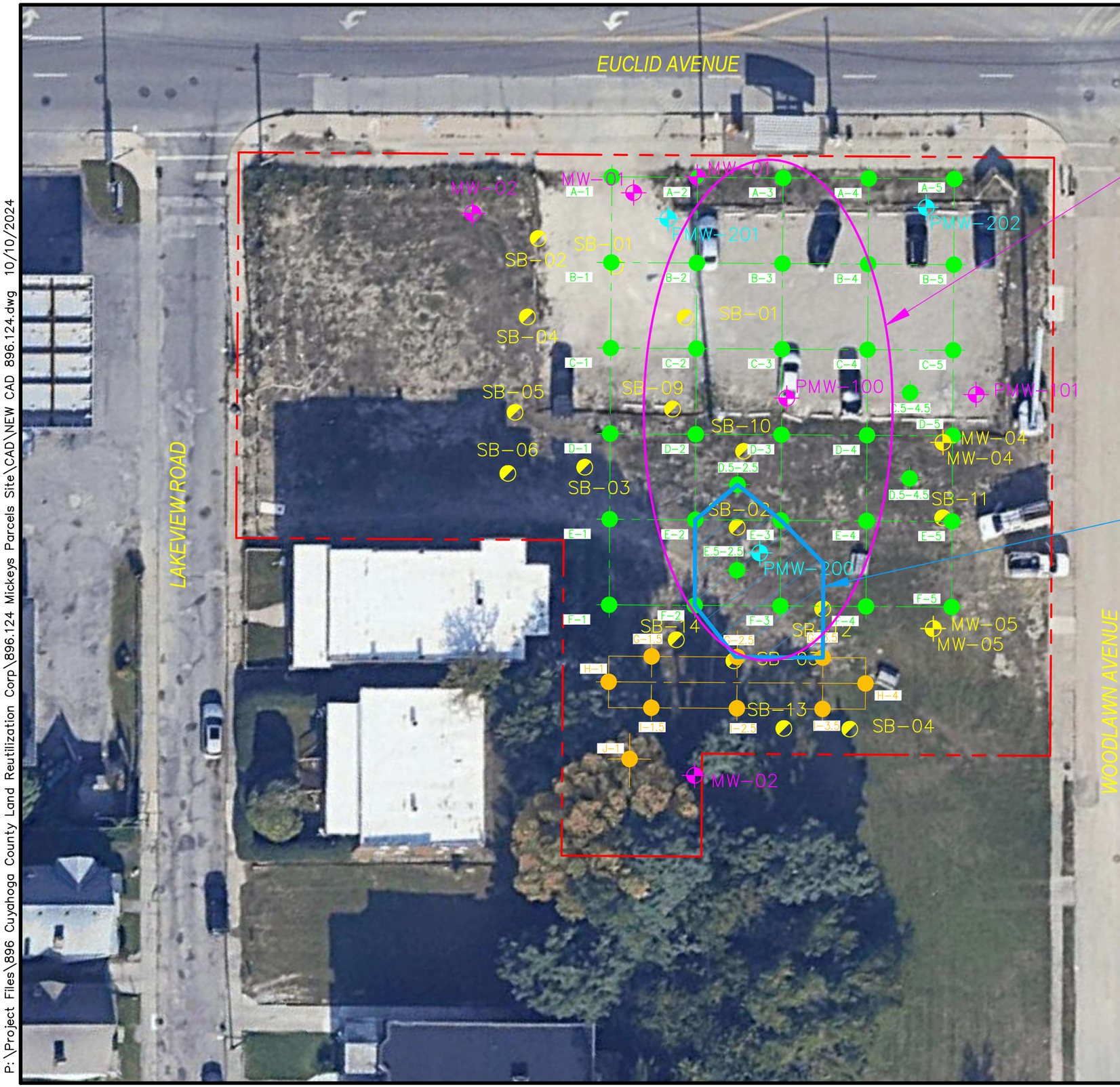

GROUNDWATER REMEDIATION AREA

Area = 8,500 Square Feet

SOIL REMEDIATION AREA (6-12')

Area = 1,460 Square Feet

LEGEND

- PMW-202 - MONITORING WELL LOCATION (JUNE 2024)
- MW-05 - MONITORING WELL LOCATION (OCTOBER 2019)
- MW-01 - FORMER MONITORING WELL LOCATION (REMOVED)
- A-1 - SOIL BORING LOCATION (MAY 2024)
- H-1 - SOIL BORING LOCATION (JULY 2024)

REMEDIAL AREAS PLAN

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio

FOR: Cuyahoga County Land Reutilization Corporation

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FIGURE
6

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APPENDIX A
VAP COMPLIANT LIMITED PHASE II INVESTIGATION

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VAP COMPLIANT LIMITED PHASE II INVESTIGATION

Euclid-Woodlawn Redevelopment Site
12500-12524 Euclid Avenue & 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio 44112

August 20, 2024

PREPARED FOR: Ohio Environmental Protection Agency
Division of Environmental Response and Revitalization
50 W. Town Street Suite 700
Columbus, Ohio 43215
Project Number: 2296.16

PREPARED BY: Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
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This report has been prepared by Partners for the benefit of our Client in accordance with the approved scope of work. Partners assumes no liability for the unauthorized use of information, conclusions or recommendations included in this report by a third party.

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7.0 CONCLUSIONS AND RECOMMENDATIONS 6
8.0 CLOSING 7

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Figure 2 Sample Location Map
Figure 3 Groundwater Flow Direction Map
Figure 4 VOC Concentrations in Soil Map
Figure 4A VOCs in Soil Exceeding Leach-Based Values
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TABLES

Table 1 Summary of VOCs in Soil
Table 2 Summary of VOCs in Groundwater
Table 3A Summary of Previous Investigations VOCs in Soil
Table 3B Summary of Previous Investigations VOCs and PAHs in Groundwater
Table 3C Summary of Previous Investigations VOCs in Sub-Slab Vapor and Soil Gas
Table 4 Summary of TCLP Analysis in Soil

APPENDICES

Appendix A Soil Boring and Monitoring Well Logs
Appendix B Sampling Forms
Appendix C Laboratory Analytical Reports
Appendix D Previous Reports

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1.0 INTRODUCTION

Partners was contracted by the Ohio Environmental Protection Agency (EPA/Client) to conduct an Ohio EPA Voluntary Action Program (VAP) compliant Limited Phase II Investigation (Phase II) at the Euclid-Woodlawn Redevelopment Site located at 12500-12524 Euclid Avenue and 1810 Woodlawn Avenue in East Cleveland, Cuyahoga County, Ohio. The location of the Property is depicted on **Figure 1**. To be clear, the procedures for this assessment are VAP compliant. This assessment does encompass all aspects of a VAP Phase II Property Assessment.

The Property is listed on the Cuyahoga County Auditor's website as three (3) individual tax parcels identified as Parcel Numbers (PNs) 672-13-009, 672-13-010, and 672-13-011. The Property is currently comprised of approximately 0.75 acres of vacant land and gravel parking. The Property is currently owned by the Cuyahoga County Land Reutilization Corporation (CCLRC).

Historically the Property has been utilized as a gasoline filling station, auto sales and service, commercial printing and a dry-cleaning facility.

2.0 PREVIOUS INVESTIGATIONS

Partners has extensive experience with this Property and has worked closely with CCLRC to work towards the redevelopment of the Property. Partners has prepared the following reports for the Property and adjoining sites.

- *Phase I Environmental Site Assessment, Mickeys Parcels Site, 12550-12558 Euclid Avenue, 1819-1823 and 1810 Woodlawn Avenue, East Cleveland, Ohio* dated May 23, 2019.
- *Limited Phase II Investigation, Mickey's Parcels Site, 12550 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio, for University Circle, Inc.,* dated August 15, 2019.
- *Supplemental Phase II Investigation, Mickey's Parcels Site, 12550 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio, for University Circle, Inc.,* dated November 27, 2019.
- *Phase I Environmental Site Assessment, Mickeys Parcels Site, 12520-12570 Euclid Avenue and 1810 Woodlawn Avenue, East Cleveland, Ohio* dated January 22, 2021.
- *Limited Phase II Investigation, Vacant Commercial Building, 12524 Euclid Avenue, East Cleveland, Ohio* dated January 28, 2022.
- *Phase I Environmental Site Assessment, Former Gasoline Filling Station, 12500 Euclid Avenue, East Cleveland, Ohio* dated October 13, 2021.
- *Limited Phase II Investigation, Former Gasoline Filling Station, 12500 Euclid Avenue, East Cleveland, Ohio* dated February 10, 2022.
- *Closure Assessment, 1810 Woodlawn Avenue, East Cleveland, Ohio* dated July 12, 2022.

Findings of the previous assessments have revealed concentrations of trichloroethene (TCE) exceeding applicable standards in soil, groundwater and soil gas/sub-slab vapor. Analytical testing of soil, groundwater, sub-slab vapor, and soil gas from these previous reports is summarized in **Tables 3A** through **3C.** In short, the previous assessments have identified chlorinated solvents, and TCE in particular, to be the primary COCs driving human health risk. Copies of these reports can be found in **Appendix D**.

3.0 LIMITED PHASE II INVESTIGATION ACTIVITIES

The Limited Phase II Investigation Activities were completed to investigate and delineate potential source areas to determine the horizontal and vertical extent of the trichloroethene (TCE) exceedances of certain VAP standards in soil and groundwater at the Property. The information gathered through these activities will be used to evaluate the feasibility and cost to eliminate soil contamination through removal and disposal and/or in-situ treatment of impacted soils as well as to optimize a groundwater remediation plan.

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3.1 Scope of Work

The Limited Phase II activities included soil boring installation and sampling and groundwater monitoring well installation and sampling. Partners advanced a total of 46 soil borings, installed three (3) new groundwater monitoring wells, redeveloped two (2) existing groundwater monitoring wells, and sampled all five (5) wells.

3.2 Methods of Assessment

3.2.1 Soil Boring, Sampling, Field Screening and Analysis

A total of 46 soil borings were installed at the Property as described below.

On May 13, 2024, through May 15, 2024, a total of 30 soil borings were advanced in a grid pattern on the Property. The soil borings were positioned in rows designated A through F with five (5) borings per each letter designation. Four (4) additional borings were placed in areas of previously identified TCE contamination.

On June 5, 2024, Partners installed an additional three (3) soil borings which were converted into groundwater monitoring wells (MW-200 through MW-202).

Once the initial soil results were reviewed, it was determined that additional delineation of soil was necessary to determine the extents of TCE exceedances. On July 1, 2024, an additional nine (9) soil borings were installed in a grid pattern on the southern portion of the Property. The soil borings were positioned in rows designated G through J with between one (1) and three (3) borings per each letter designation.

The borings were advanced continuously from the ground surface to a depth of approximately 12 feet below ground surface (bgs) with a track-mounted, direct push (Geoprobe™) sampling system. The Geoprobe™ drives a two (2)-inch outside diameter (OD), stainless steel tube containing a new disposable acetate liner into the subsurface to obtain soil samples. The soil is forced into the liners at continuous four (4)-foot vertical intervals and is then retrieved to the surface. Each four (4)-foot soil sample was further divided into two (2)-foot sample intervals, visually observed, sampled, logged, and classified according to the Unified Soil Classification System (USCS) by a member of Partners' field staff. The soil boring locations are depicted on **Figure 2**.

Soil samples were divided into two (2) portions. One (1) portion was placed in new pre-cleaned Terracore™ sampling system containers or two (2) ounce laboratory supplied glass jars for preservation prior to selection of samples for laboratory analysis. The second portion was placed into new re-sealable plastic bags for screening purposes. Samples selected for laboratory analysis were labeled and placed in a cooler containing ice, pending submission to a National Environmental Laboratories Accreditation Conference (NELAC) certified laboratory for chemical analysis. Two (2) sample intervals were submitted to the laboratory from each boring. New disposable nitrile gloves were worn and changed between each sample to prevent cross-contamination. The sampling equipment was decontaminated between events with an Alconox® detergent wash and deionized water rinse.

Soil samples were field screened for the presence of organic vapors using a MiniRAE 3000 Photoionization Detector (PID) manufactured by Honeywell RAE Systems. The PID was calibrated prior to field activities using a known concentration of a gas standard in accordance with the manufacturers' specifications. Soil sample PID readings are included on the soil boring logs in **Appendix A**. Sampling forms are presented in **Appendix B.**

Select soil samples were submitted for laboratory analysis based on a combination of historical information, field observations (visual or odor), PID screening results, the most likely depth of a release, and/or the potential point of compliance. Based on the conditions under assessment, selected soil samples were analyzed for some or all of the following parameters:

- Volatile organic compounds (VOCs) by the USEPA Method 8260 with Terracore field preservation (68 samples).

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In addition to the VOC analysis TCLP samples were selected from each boring for waste characterization purposes and sent to the laboratory on 'hold' prior to receiving VOC analysis results and analyzed for the following parameters:

- TCLP (VOCs), semi-volatile organic compounds (SVOCs), and RCRA 8 Metals (two [2] samples).

Soil samples were labeled, placed in a cooler with ice, and submitted for analysis under appropriate chain-of-custody control to ALS Environmental located in Cincinnati, Ohio. The laboratory analytical report is included in **Appendix C**.

3.2.2 Groundwater Monitoring Well Installation, Sampling, and Analysis

Following the receipt of soil analysis on June 5th, 2024, three (3) additional soil borings were installed as described above and were completed as groundwater monitoring wells (MW-200, MW-201 and MW-202). The monitoring wells were constructed with two (2)-inch diameter polyvinyl chloride (PVC) riser and 0.010'' slotted screen (10-feet in length) positioned to span the groundwater interface. The monitoring well riser and screen were connected using threaded joints. The annular space was filled with sand to approximately two (2)-feet above the screened interval. Hydrated bentonite chips filled the remaining annular space to the surface. The wells were completed at the surface with steel flush-mount protective covers set in a concrete pad. The monitoring wells were installed through 4.25-inch inner diameter hollow stem augers (HSA). The monitoring well logs are included in **Appendix A**. The monitoring well locations are depicted on **Figure 2**.

The three (3) new monitoring wells are designated as MW-200, MW-201, and MW-202. The two (2) existing monitoring wells on the Property are designated as MW-04 and MW-05. On June 11, 2024, the five (5) wells on the Property were developed by pumping and surging approximately three (3) well volumes from each well, or until the development groundwater was visibly clear. A whaler pump was used to develop the monitoring wells. Static water level was measured to the nearest 0.01-ft using a hydrocarbon/water interface probe. Groundwater flow direction is depicted on **Figure 3**.

On June 13, 2024, the five (5) groundwater monitoring wells were sampled using a QED SamplePro portable micropurge bladder pump, QED Micropurge Basics controller with a compressed gas cylinder, and disposable polyethylene bladders/tubing. Groundwater samples were obtained by using standard low flow sampling techniques. Based on aquifer characteristics and monitoring well diameter, flow rates of approximately 200 milliliters (ml) per minute were utilized. A Horiba U-52 Water Quality Monitoring System with a flow-through cell was used by Partners to monitor groundwater quality data (including pH, conductivity, turbidity, dissolved oxygen, oxidation reduction potential, and temperature). Sampling forms are presented in **Appendix B.**

Groundwater samples were collected, placed in a cooler with ice and submitted for laboratory analyses under appropriate chain-of-custody control to ALS Environmental located in Cincinnati, Ohio. The laboratory analytical report is included in **Appendix C**.

Groundwater samples were collected and submitted for laboratory analyses of VOCs by USEPA Method 8260.

3.2.3 Investigation Derived Waste

Soil media generated from soil boring field activities, excess soil cuttings, and field screened soil was containerized in four (4) Department of Transportation (DOT)-approved 55-gallon drums. Purge and decontamination water generated during groundwater development and sampling activities was containerized in one (1) Department of Transportation (DOT)-approved 55-gallon drum. The drums were properly labeled and temporarily staged on the Property. Based on data collected during this investigation, the containerized soil is characterized as hazardous. It is in the process of being removed for off-Property disposal at a facility licensed to accept hazardous waste.

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4.0 POTENTIALLY APPLICABLE COMPARISON STANDARDS

Although the Property is not going through the Ohio EPA VAP, the program has promulgated standards under state environmental law that establish levels that are considered protective of human health and the environment. These standards were used for evaluation of Property conditions. Partners understands that the potential land use of the Property has not been determined.

Evaluation of Soil

The Ohio VAP Generic Numerical Direct Contact Soil Standards (GDCS) for the Residential Land Use Category, Commercial/Industrial Land Use Category, and Construction/Excavation Activities Category (Ohio Administrative Code [OAC] 3745-300-08) were used for evaluation of the results of soil analyses.

Soil Samples were also compared to the Ohio EPA VAP Derived Leach-Based Soil values for Soil Type II.

Toxicity Characteristic Leaching Procedure (TCLP) samples were compared to the Maximum Concentration of Contaminants for the Toxicity Characteristic Table in the CFR Title 40 261.24.

Evaluation of Groundwater

Results of groundwater analyses were compared to the Ohio VAP Generic and Risk-Based Unrestricted Potable Use Standards (UPUS, OAC Rule 3745-300-08, Appendix Table VIII and IX). The UPUS standards were developed based on the assumption that groundwater will be used as a source for drinking, cooking, and bathing.

Results of groundwater sampling were also compared to the USEPA Vapor Intrusion Screening Levels (VISL) Target Groundwater Concentrations for Residential Land Use and Commercial Land Use and with a carcinogenic risk of $1E^{-5}$, hazard quotient of 1, an attenuation factor (AF) of 0.001, and a groundwater temperature of 11 degrees Celsius in accordance with the Ohio EPA document *Sample Collection and Evaluation of Vapor Intrusion to Indoor Air for Remedial Response, RCRA and VAP.*

5.0 FINDINGS

The results of the current analytical testing are presented in **Tables 1 and 2**.

5.1 Subsurface Conditions

The subsurface profile may be generalized as brown to gray lean clay fill with varying amounts of gravel, concrete rubble, and brick rubble from the ground surface to depths ranging from 0.5 feet bgs to 12.0 feet bgs. The fill materials are underlain by brown silty sand and light brown to gray lean clay to 14.0 feet bgs. Native soils were observed to have hydrocarbon odors and staining at various locations. Native soils were underlain by weathered gray shale bedrock in the southern portion of the Property from approximately nine (9.0) feet to the terminal depth of the borings.

5.2 Soil Analytical Results

VOCs: Results of current analytical testing indicate that 23 VOC analytes were detected in the soil samples at concentrations above laboratory reporting limits (RLs). All VOC analytical results were below the respective Ohio VAP GDCS standards and Leach-Based Soil Values cited for comparison except for the following:

Trichloroethene (TCE) was detected above the Ohio EPA Generic Leach-Based Soil Values for Soil Type II (0.023 mg/kg) in the following samples:

- F-1 (2-4) soil sample had TCE at a concentration of 0.043 mg/kg.
- F-3 (6-8') soil sample had TCE at a concentration of 0.092 mg/kg.
- F-3 (8-10') soil sample had TCE at a concentration of 7.8 mg/kg.
- PMW-200 (8-10') soil sample had TCE at a concentration of 4.0 mg/kg.
- G -2.5 (4-6') soil sample had TCE at a concentration of 0.027 mg/kg.
- G -2.5 (4-6') Duplicate sample had TCE at a concentration of 0.033 mg/kg.

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- G-3.5 (6-8') soil sample had TCE at a concentration of 0.081 mg/kg.
- G-1.5 (4-6') soil sample had TCE at a concentration of 0.055 mg/kg.
- G-1.5 (10-12') soil sample had TCE at a concentration of 0.16 mg/kg.
- SB-02 (2-4') soil sample had TCE at a concentration of 111 mg/kg.
- SB-03 (6-8') soil sample had TCE at a concentration of 0.672 mg/kg.
- MW-01 (10-12') soil sample had TCE at a concentration of 0.167 mg/kg.
- SB-09 (10-12') soil sample had TCE at a concentration of 0.699 mg/kg.
- SB-10 (14-16') soil sample had TCE at a concentration of 6.04 mg/kg.
- SB-11 (0-2') soil sample had TCE at a concentration of 0.229 mg/kg.
- SB-11 (14-16') soil sample had TCE at a concentration of 0.12 mg/kg.
- SB-12 (0-2') soil sample had TCE at a concentration of 0.0316 mg/kg.
- SB-12 (10-12') soil sample had TCE at a concentration of 0.224 mg/kg.
- SB-14 (10-12') soil sample had TCE at a concentration of 3.63 mg/kg.
- PMW-100 (8-10') soil sample had TCE at a concentration of 0.523 mg/kg.
- SB-01 (8-10') soil sample had TCE at a concentration of 0.133 mg/kg.
- MW-01 (8-10') soil sample had TCE at a concentration of 0.347 mg/kg.

Benzene was detected slightly above the Ohio EPA Generic Leach-Based Soil Values for Soil Type II (0.009 mg/kg) in the following samples:

- F-2 (6-8') Duplicate soil sample had benzene at a concentration of 0.014 mg/kg.
- F-5 (6-8') soil sample had benzene at a concentration of 0.0098 mg/kg.
- SB-13 (6-8') soil sample had benzene at a concentration of 0.159 mg/kg.

Cis-1,2-dichloroethene was detected slightly above the Ohio EPA Generic Leach-Based Soil Values for Soil Type II (0.07 mg/kg) in the following sample:

- G-1.5 (10-12') Duplicate soil sample had cis-1,2-dichloroethene at a concentration of 0.090 mg/kg.

The results of the soil testing are summarized in **Table 1**. A Distribution of VOCs in soil is presented on **Figure 4**. VOCs in Soil Exceeding Leach-Based Values is presented as **Figure 4A**.

TCLP VOCs: Results of analytical testing indicate that two (2) VOC analytes were detected in the TCLP soil samples at concentrations above laboratory RLs. All TCLP VOC analytical results were below the Maximum Concentration Table for Toxicity Characteristics cited for comparison except for the following:

Trichloroethene (TCE) was detected above the TCLP Maximum Concentration Table (0.5 mg/l) in the following sample:

- F-3A (8-10') soil sample had a TCE at concentration of 4.6 mg/l.

Soil in the area of soil boring F-3A at a depth of 8-10 feet below ground surface, if removed, will be considered hazardous waste.

TCLP SVOCs: Results of analytical testing indicate that no SVOC analytes were detected in the TCLP soil samples at concentrations above laboratory RLs. All laboratory RLs are below cited comparison standards.

TCLP Metals: Results of analytical testing indicate that no metals were detected in the TCLP soil samples at concentrations above laboratory RLs, except barium. The barium concentrations were well below cited comparison standards.

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The results of the TCLP soil testing are summarized in **Table 4**.

5.3 Groundwater Analytical Results

VOCs: Results of analytical testing indicate that five (5) VOC analytes were detected in groundwater at concentrations above laboratory reporting limits (RLs). All detected VOC concentrations were well below the applicable Ohio VAP UPUS and USEPA VISL cited for comparison with the following exceptions:

1,1-Dichloroethene was detected above the Ohio EPA UPUS (7 ug/l) in the following samples:

- MW-200 groundwater sample had a 1,1-dichloroethene concentration of 7.3 ug/l.
- MW-200 Duplicate groundwater sample had a 1,1-dichloroethene concentration of 7.4 ug/l.

Cis-1,2-Dichloroethene was detected above UPUS (70 ug/l) in the following samples:

- MW-200 groundwater sample had a cis-1,2-dichloroethene concentration of 86 ug/l.
- MW-200 Duplicate groundwater sample had a cis-1,2-dichloroethene concentration of 85 ug/l.

Trichloroethene was detected above the US EPA Vapor Intrusion Screening Levels (VISL) for Commercial Use (41.6 ug/l), US EPA VISL for Residential Use (9.9 ug/l), and/or Ohio EPA UPUS (5 ug/l) in the following samples:

- MW-200 groundwater sample had a trichloroethene concentration of 980 ug/l, which exceeds UPUS, Residential VISL, and Commercial VISL values.
- MW-200 Duplicate groundwater sample had a trichloroethene concentration of 970 ug/l, which exceeds UPUS, Residential VISL, and Commercial VISL values.
- MW-201 groundwater sample had a trichloroethene concentration of 17 ug/l, which exceeds the UPUS and Residential VISL values.
- MW-202 groundwater sample had a trichloroethene concentration of 7.6 ug/l, which exceeds the UPUS value.

Vinyl chloride was detected above the Ohio EPA UPUS (2 ug/l) in the following sample:

- MW-200 groundwater sample had a vinyl chloride concentration of 4.9 ug/l, which exceeds the UPUS value.
- MW-200 Duplicate groundwater sample had a vinyl chloride concentration of 5.0 ug/l, which exceeds the UPUS value.

The results of groundwater testing are summarized in **Table 2**. Distribution of VOCs in groundwater is presented in **Figure 5**.

6.0 LIMITATIONS

The analytical results and conclusions presented in this report are based on the completion of a limited number of soil borings, monitoring wells, and previously installed soil gas vapor points, and limited analytical testing. Although the results presented above provide a reasonable indication of conditions in the areas evaluated, they may not be indicative of conditions in areas of the Property not evaluated by Partners.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Limited Phase II, Partners presents the following summary and conclusions regarding the Property.

Soil Testing

Based on the results of analytical testing, soil has been impacted by trichloroethene and benzene at concentrations exceeding the Ohio VAP Leach Based soil values.

A Remedial Action Plan (RAP) should be developed to address soils impacted by chlorinated solvents.

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Groundwater Testing

VOC analytical results for trichloroethene, 1,1-dichloroethene, and vinyl chloride exceeded cited comparison standards.

Partners recommends a remedial action plan be developed to address groundwater impacted by chlorinated solvents to ensure residential VISL standards are not, and will not be, exceeded at the Property boundary. Any new construction should evaluate the need for the installation of a vapor mitigation system after remedial measures are implemented.

8.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (800) 763-1363 if you have any questions or if we can be of any further assistance.

Sincerely,
Partners

Jeremy Kendle
Project Manager

Chris Butcher
Senior Project Manager

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FIGURES

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P:\Project Files\2296 Ohio EPA Division of Environmental Response and Revitalization\2296.16 DERR SFY24 Euclid–Woodlawn Redevelopment Site PII\CAD\CAD 2296.16

PROPERTY LOCATION MAP

EUCLID-WOODLAWN REDEVELOPMENT SITE

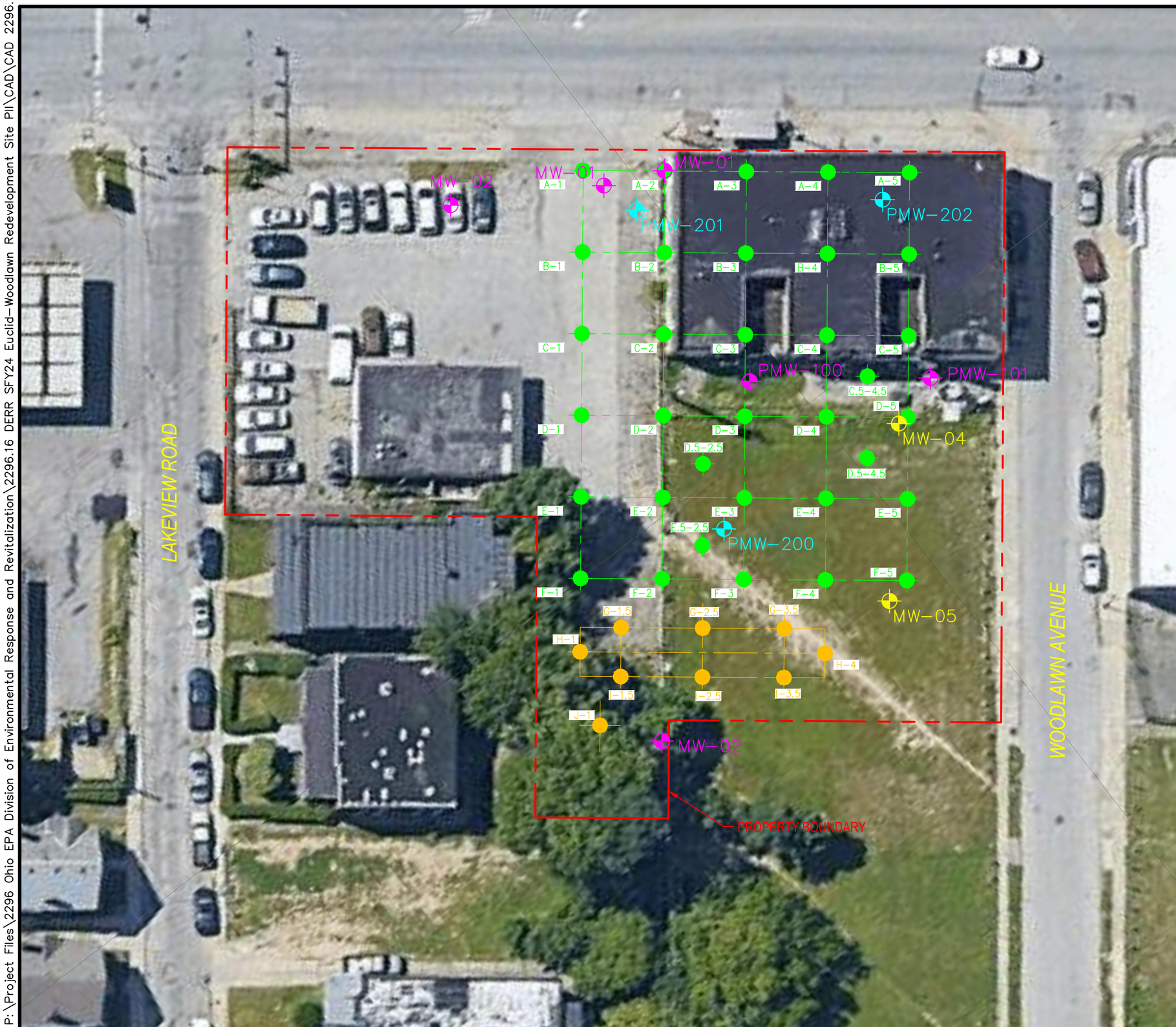
12500-12524 EUCLID AVENUE & 1810 WOODLAWN AVENUE
EAST CLEVELAND, CUYAHOGA COUNTY, OHIO

FOR: OHIO DERR
2296.16

PARTNERS
31100 Solon Road, Suite G
Solon, Ohio 44139
800–763–1363

500 0 1,000
SCALE: 1" = 1,000'

FIGURE
1



LEGEND

- PMW-202 - MONITORING WELL LOCATION (JUNE 2024)
- MW-05 - MONITORING WELL LOCATION (OCTOBER 2019)
- MW-01 - FORMER MONITORING WELL LOCATION (REMOVED)
- A-1 - SOIL BORING LOCATION (MAY 2024)
- H-1 - SOIL BORING LOCATION (JULY 2024)

SAMPLE LOCATION MAP

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio

FOR: OHIO DERR

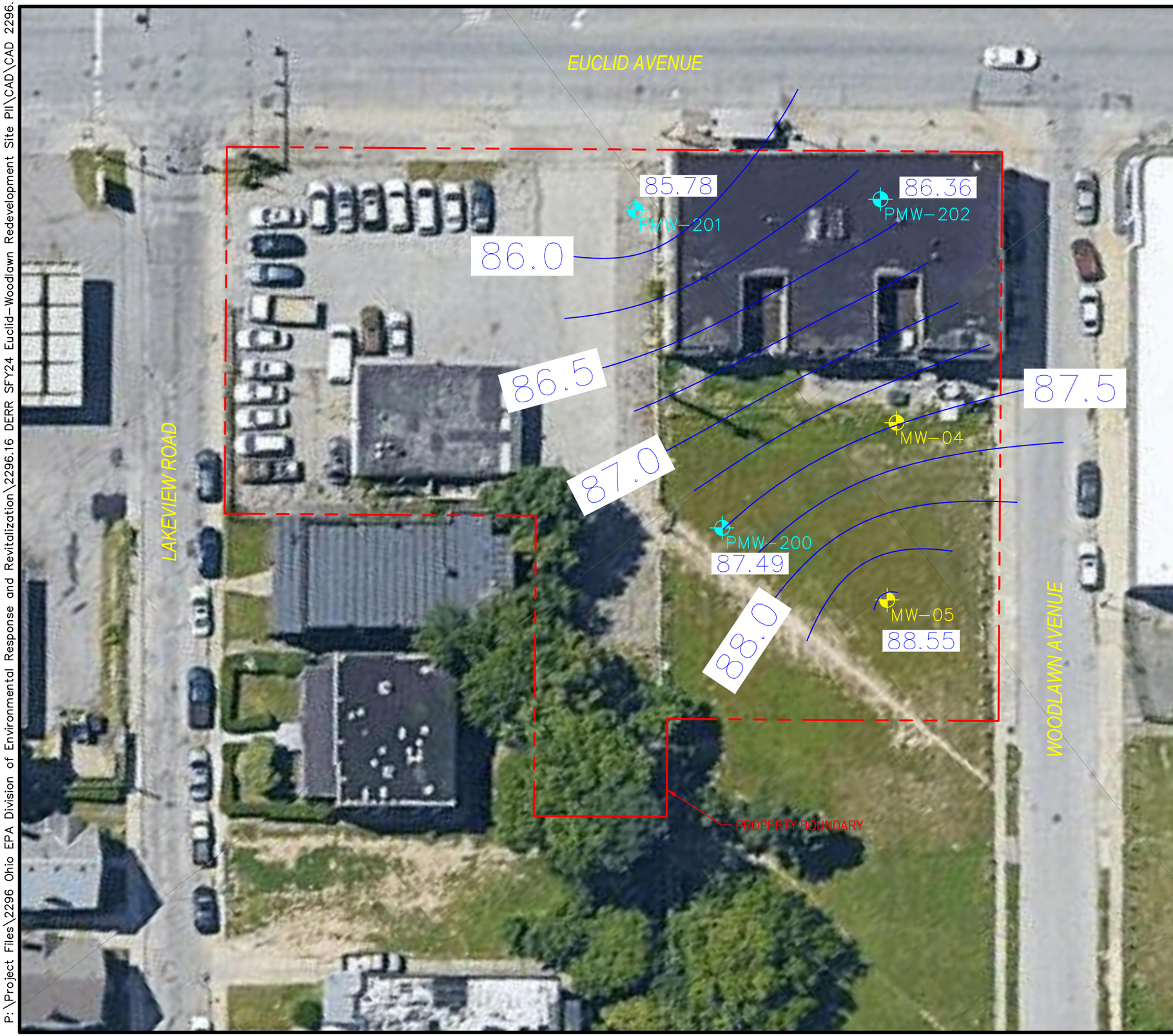
2296.16

PARTNERS
31100 Solon Road, Suite G
Solon, Ohio 44139
800-763-1363

15 0 30
SCALE: 1" = 30'

FIGURE
2

P:\Project Files\2296 Ohio EPA Division of Environmental Response and Revitalization\2296.16 DERR SFY24 Euclid-Woodlawn Redevelopment Site PII\CAD\CAD 2296.16.



LEGEND

PMW-202 86.36 - MONITORING WELL LOCATION (INSTALLED JUNE 2024) WITH GROUNDWATER ELEVATION

MW-05 88.55 - MONITORING WELL LOCATION (INSTALLED OCTOBER 2019) WITH GROUNDWATER ELEVATION

96.50 - GROUNDWATER CONTOURS WITH ELEVATION INTERVAL

Notes
1. Groundwater elevation contour interval = 0.25 feet
2. Groundwater elevation information from MW-04 is not included on this map.

GROUNDWATER FLOW DIRECTION MAP
JUNE 2024

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio

FOR: OHIO DERR

2296.16

PARTNERS
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Solon, Ohio 44139
800-763-1363

15 0 30
SCALE: 1" = 30'

FIGURE
3

P:\Project Files\2296 Ohio EPA Division of Environmental Response and Revitalization\2296.16 DERR SFY24 Euclid-Woodlawn Redevelopment Site PII\CAD\CAD 2296.16.

P:\Project Files\2296 Ohio EPA Division of Environmental Response and Revitalization\2296.16 DERR SFY24 Euclid–Woodlawn Redevelopment Site PII\CAD\CAD 2296.16.

A-1	05/13/24	05/13/24
	0-2 FT	2-4 FT
VOCs		
BENZENE	0.0085	< 0.0038
CARBON DISULFIDE	0.013	< 0.0038
TOLUENE	0.0099	< 0.0038
TRICHLOROETHENE	0.018	< 0.0038

B-2	05/13/24	05/13/24
	4-6 FT	6-8 FT
VOCs		
VOCs	ND	ND

A-2	05/13/24	05/13/24
	4-6 FT	6-8 FT
VOCs		
CARBON DISULFIDE	0.013	0.016

A-4	05/13/24	05/13/24
	4-6 FT	8-10 FT
VOCs		
CARBON DISULFIDE	0.012	< 0.0042
NAPHTHALENE	0.006	< 0.0042
TOLUENE	0.0052	< 0.0042

PMW-202	06/05/24	06/05/24
	6-8 FT	10-12 FT
VOCs		
NAPHTHALENE	0.013	< 0.0057

PMW-201	06/05/24	06/05/24
	2-4 FT	8-10 FT
VOCs		
VOCs	ND	ND

B-3	05/13/24	05/13/24
	2-4 FT	4-6 FT
VOCs		
ACETONE	< 0.046	0.062
CARBON DISULFIDE	0.015	< 0.0047

A-5	05/13/24	05/13/24
	4-6 FT	6-8 FT
VOCs		
ACETONE	< 0.052	0.056
CARBON DISULFIDE	0.011	< 0.0045
NAPHTHALENE	0.0084	< 0.0045

B-4	05/13/24	05/13/24
	2-4 FT	4-6 FT
VOCs		
CARBON DISULFIDE	0.01	0.011

B-1	05/13/24	05/13/24
	4-6 FT	8-10 FT
VOCs		
ACETONE	0.12	< 0.042
TRICHLOROETHENE	0.015	0.0063

A-3	05/13/24	05/13/24
	4-6 FT	6-8 FT
VOCs		
ACETONE	0.12	0.058
CARBON DISULFIDE	0.01	< 0.0046
NAPHTHALENE	0.013	< 0.0046
TOLUENE	0.0093	< 0.0046

B-5	05/13/24	05/13/24
	2-4 FT	4-6 FT
VOCs		
CARBON DISULFIDE	0.0062	0.01

C-4	05/13/24	05/13/24
	4-6 FT	6-8 FT
VOCs		
ACETONE	< 0.055	0.061
CARBON DISULFIDE	0.0098	0.012
NAPHTHALENE	0.0059	< 0.0053

C-2	05/13/24	05/13/24
	2-4 FT	6-8 FT
VOCs		
VOCs	ND	ND

C-5	05/13/24	05/13/24
	6-8 FT	8-10 FT
VOCs		
CARBON DISULFIDE	0.0072	< 0.0042

C.5-4.5	05/14/24	05/14/24
	2-4 FT	4-6 FT
VOCs		
VOCs	ND	ND

C-1	05/13/24	05/13/24
	2-4 FT	4-6 FT
VOCs		
VOCs	ND	ND

D-4	05/14/24	05/14/24
	4-6 FT	6-8 FT
VOCs		
VOCs	ND	ND

D-3	05/14/24	05/14/24
	4-6 FT	6-8 FT
VOCs		
1,2,3-TRICHLOROPROPANE	0.016	< 0.0050
1,2,4-TRIMETHYLBENZENE	2.1	2.7
1,3,5-TRIMETHYLBENZENE	3.9	0.031
ETHYLBENZENE	0.054	0.01
ISOPROPYLBENZENE	0.11	0.021
m,p-XYLENE	0.031	< 0.0050
NAPHTHALENE	0.11	0.021
N-PROPYLBENZENE	1.1	0.065
o-XYLENE	0.038	< 0.0050
P-ISOPROPYLTOLUENE	4.8	0.13
SEC-BUTYLBENZENE	1.8	0.14
XYLENES, TOTAL	0.069	< 0.010

D-2	05/14/24	05/14/24
	4-6 FT	6-8 FT
VOCs		
CARBON DISULFIDE	0.0075	< 0.0047
P-ISOPROPYLTOLUENE	0.0069	< 0.0047
SEC-BUTYLBENZENE	0.037	< 0.0047

C-3	05/13/24	05/13/24
	4-6 FT	8-10 FT
VOCs		
VOCs	ND	ND

D.5-4.5	05/14/24	05/14/24
	2-4 FT	4-6 FT
VOCs		
ACETONE	0.062	< 0.046

D-5	05/14/24	05/14/24
	0-2 FT	2-4 FT
VOCs		
ACETONE	0.056	0.063
CARBON DISULFIDE	0.0057	< 0.0055

E-1	05/14/24	05/14/24
	0-2 FT	4-6 FT
VOCs		
BENZENE	0.0052	< 0.0053
CARBON DISULFIDE	0.0051	< 0.0053
m,p-XYLENE	0.0070	< 0.0053
TOLUENE	0.0079	< 0.0053
TRICHLOROETHENE	0.023	0.0088
XYLENES, TOTAL	0.010	< 0.011

D-1	05/14/24	05/14/24
	2-4 FT	4-6 FT
VOCs		
VOCs	ND	ND

E-4	05/14/24	05/14/24
	4-6 FT	8-10 FT
VOCs		
CARBON DISULFIDE	< 0.0051	0.022
ISOPROPYLBENZENE	< 0.0051	0.011
SEC-BUTYLBENZENE	< 0.0051	0.078

E-5	05/14/24	05/14/24
	2-4 FT	6-8 FT
VOCs		
ACETONE	< 0.047	0.049

E-2	05/14/24	05/14/24
	2-4 FT	6-8 FT
VOCs		
TETRACHLOROETHENE	0.0083	< 0.0049
TRICHLOROETHENE	0.015	< 0.0049

E-3	05/14/24	05/14/24
	2-4 FT	6-8 FT
VOCs		
ACETONE	0.082	< 0.049
TRICHLOROETHENE	0.01	< 0.0049

F-5	05/14/24	05/14/24	05/14/24
	4-6 FT	4-6 FT FD	6-8 FT
VOCs			
BENZENE	< 0.0046	< 0.0051	0.0098
TOLUENE	< 0.0046	< 0.0051	0.005

F-1	05/15/24	05/15/24
	2-4 FT	4-6 FT
VOCs		
TRICHLOROETHENE	0.043	< 0.0049

PMW-200	06/05/24	06/05/24
	6-8 FT	8-10 FT
VOCs		
1,1,2-TRICHLOROETHANE	< 0.0056	0.0071
CIS-1,2-DICHLOROETHENE	< 0.0056	0.035
TRICHLOROETHENE	< 0.0056	4

F-4	05/14/24	05/14/24	05/14/24
	6-8 FT	6-8 FT FD	8-10 FT
VOCs			
1,1,2-TRICHLOROETHANE	0.022	0.016	< 0.0047
CARBON DISULFIDE	0.013	0.0094	< 0.0047
ISOPROPYLBENZENE	0.0058	0.0050	< 0.0047
N-BUTYLBENZENE	0.049	0.050	< 0.0047
N-PROPYLBENZENE	0.0058	0.0054	< 0.0047
SEC-BUTYLBENZENE	0.078	0.073	< 0.0047

F-2	05/15/24	05/15/24	05/15/24
	4-6 FT	6-8 FT	6-8 FT FD
VOCs			
BENZENE	< 0.0046	< 0.0053	0.014
TOLUENE	< 0.0046	< 0.0053	0.0064

E.5-2.5	05/15/24	05/15/24	05/15/24
	2-4 FT	6-8 FT	6-8 FT FD
VOCs			
ACETONE	0.065	< 0.045	< 0.047
TRICHLOROETHENE	< 0.0046	0.0056	< 0.0047

H-1	07/01/24	07/01/24
	4-6 FT	8-10 FT
VOCs		
ACETONE	0.077	< 0.087

G-3.5	07/01/24	07/01/24
	4-6 FT	6-8 FT
VOCs		
CARBON DISULFIDE	0.0041	< 0.0051
TRICHLOROETHENE	< 0.0039	0.081

F-3	05/15/24	05/15/24
	6-8 FT	8-10 FT
VOCs		
ACETONE	0.049	< 0.049
CIS-1,2-DICHLOROETHENE	< 0.0047	0.0075
TETRACHLOROETHENE	< 0.0047	0.0061
TRICHLOROETHENE	0.092	7.8

I-2.5	07/01/24	07/01/24
	0-2 FT	6-8 FT
VOCs		
CARBON DISULFIDE	0.028	< 0.0044

I-3.5	07/01/24	07/01/24
	4-6 FT	6-8 FT
VOCs		
CARBON DISULFIDE	0.013	< 0.0054

G-1.5	07/01/24	07/01/24	07/01/24
	4-6 FT	10-12 FT	10-12 FT FD
VOCs			
CIS-1,2-DICHLOROETHENE	< 0.0050	0.020	0.090
TRANS-1,2-DICHLOROETHENE	< 0.0050	< 0.0053	0.0063
TRICHLOROETHENE	0.055	0.16	0.013

I-1.5	07/01/24	07/01/24
	6-8 FT	8-10 FT
VOCs		
VOCs	ND	ND

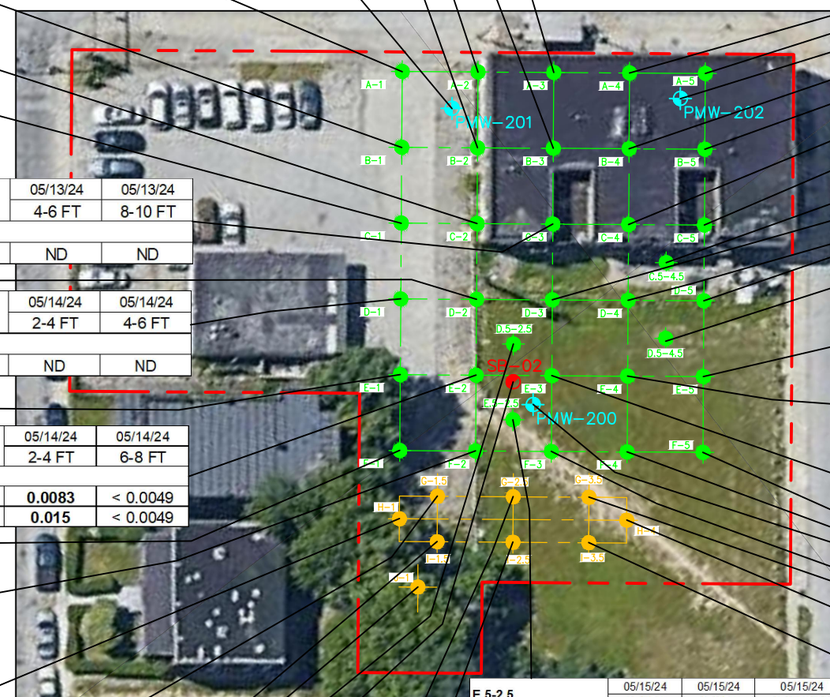
J-1.25	07/01/24	07/01/24
	4-6 FT	6-8 FT
VOCs		
VOCs	ND	ND

D.5-2.5	05/14/24	05/14/24
	2-4 FT	6-8 FT
VOCs		
ACETONE	0.095	< 0.046
TRICHLOROETHENE	0.014	0.0079

SB-02	07/15/19
	10-12 FT
VOCs	
CHLOROBENZENE	0.00288
CIS-1,2-DICHLOROETHENE	0.0108
ETHYLBENZENE	0.000715
N-HEXANE	0.00491
2-BUTANONE (MEK)	0.0249
TETRACHLOROETHENE	0.00898
TOLUENE	0.00236
1,1,2-TRICHLOROETHANE	0.00721
TRICHLOROETHENE	111
1,2,4-TRIMETHYLBENZENE	0.00205

G-2.5	07/01/24	07/01/24	07/01/24	07/01/24
	2-4 FT	2-4 FT FD	4-6 FT	4-6 FT FD
VOCs				
1,2,4-TRIMETHYLBENZENE	< 0.28	0.040	0.051	< 0.0050
1,3,5-TRIMETHYLBENZENE	< 0.28	< 0.0037	0.060	< 0.0050
2-BUTANONE (MEK)	< 2.8	< 0.037	0.12	< 0.050
ACETONE	< 2.8	0.042	0.40 E	< 0.050
CARBON DISULFIDE	< 0.28	< 0.0037	0.0070	< 0.0050
ETHYLBENZENE	< 0.28	< 0.0037	0.013	< 0.0050
m,p-XYLENE	< 0.28	< 0.0037	0.055	< 0.0050
NAPHTHALENE	< 0.28	0.0070	0.0072	< 0.0050
N-BUTYLBENZENE	< 0.28	0.011	< 0.0053	< 0.0050
N-PROPYLBENZENE	< 0.28	< 0.0037	0.0076	< 0.0050
o-XYLENE	< 0.28	< 0.0037	0.078	< 0.0050
P-ISOPROPYLTOLUENE	< 0.28	0.016	0.040	< 0.0050
SEC-BUTYLBENZENE	< 0.28	< 0.0037	0.0069	< 0.0050
TOLUENE	< 0.28	< 0.0037	0.0073	< 0.0050
TRICHLOROETHENE	< 0.28	< 0.0037	0.027	0.033
XYLENES, TOTAL	< 0.56	< 0.0074	0.13	< 0.0099

H-4	07/01/24	07/01/24	07/01/24
	2-4 FT	2-4 FT FD	10-12 FT
VOCs			
CARBON DISULFIDE	0.0095	< 0.0039	0.0059
ISOPROPYLBENZENE	< 0.0044	< 0.0039	0.013
N-BUTYLBENZENE	0.056	< 0.0039	0.057
SEC-BUTYLBENZENE	0.037	< 0.0039	0.13



Notes
1. VOCs = Volatile Organic Compounds
2. FT = Feet Below Ground Surface
3. FD = Duplicate Sample
4. Only soil borings with detections are shown
5. All results are presented in milligrams per kilogram (mg/kg) or parts per million (ppm)
6. Shaded results indicate an exceedance of a comparison standard

DISTRIBUTION OF COCs IN SOIL MAP

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio

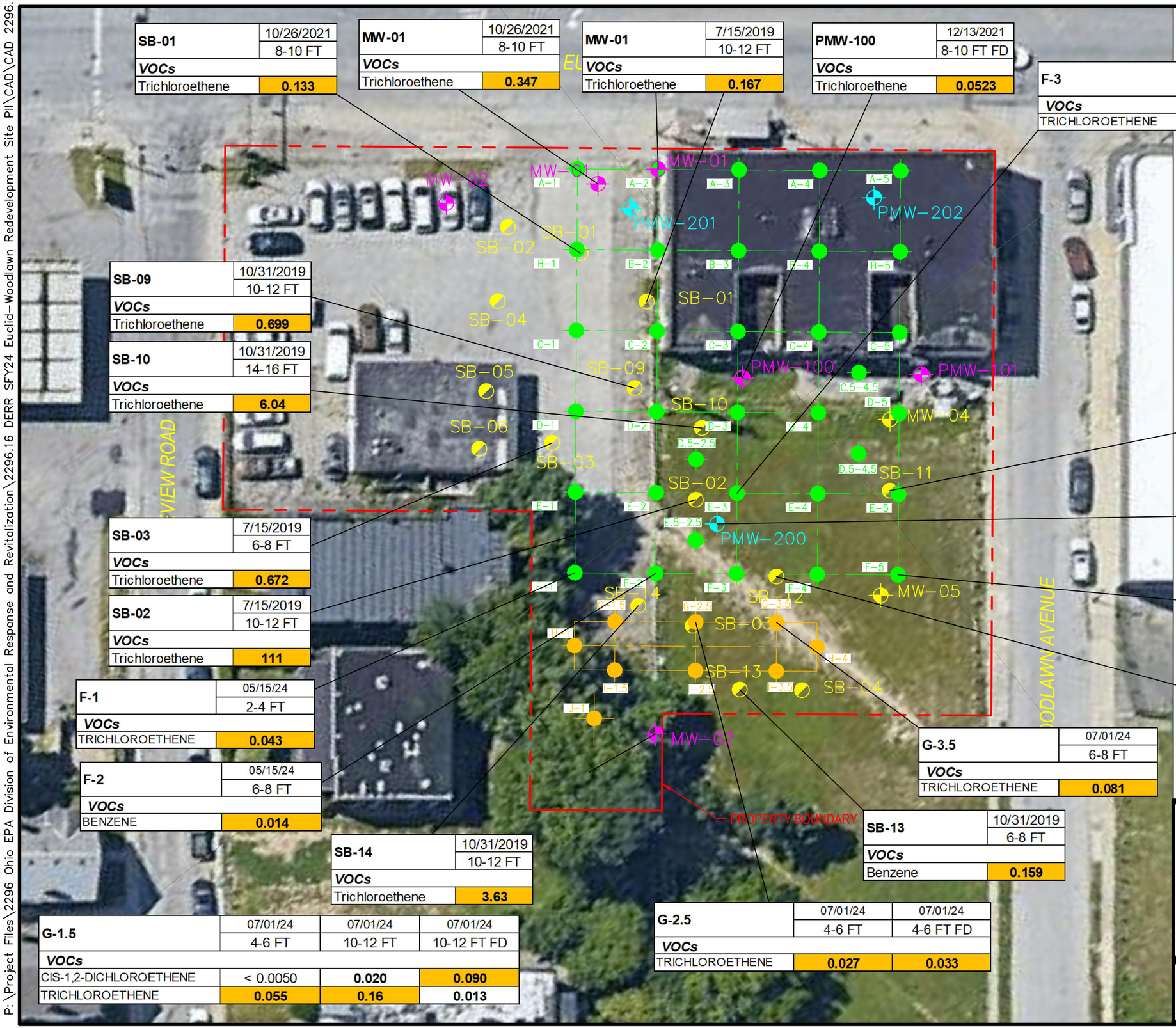
FOR: OHIO DERR

2296.16

PARTNERS
31100 Solon Road, Suite G
Solon, Ohio 44139
800–763–1363

25 0 50
SCALE: 1" = 50'

FIGURE
4



SB-01	10/26/2021
	8-10 FT
VOCs	
Trichloroethene	**0.133**

MW-01	10/26/2021
	8-10 FT
VOCs	
Trichloroethene	**0.347**

MW-01	7/15/2019
	10-12 FT
VOCs	
Trichloroethene	**0.167**

PMW-100	12/13/2021
	8-10 FT FD
VOCs	
Trichloroethene	**0.0523**

F-3	05/15/24	05/15/24
	6-8 FT	8-10 FT
VOCs		
TRICHLOROETHENE	**0.092**	**7.8**

SB-09	10/31/2019
	10-12 FT
VOCs	
Trichloroethene	**0.699**

SB-10	10/31/2019
	14-16 FT
VOCs	
Trichloroethene	**6.04**

SB-03	7/15/2019
	6-8 FT
VOCs	
Trichloroethene	**0.672**

SB-02	7/15/2019
	10-12 FT
VOCs	
Trichloroethene	**111**

F-1	05/15/24
	2-4 FT
VOCs	
TRICHLOROETHENE	**0.043**

F-2	05/15/24
	6-8 FT
VOCs	
BENZENE	**0.014**

SB-14	10/31/2019
	10-12 FT
VOCs	
Trichloroethene	**3.63**

G-1.5	07/01/24	07/01/24	07/01/24
	4-6 FT	10-12 FT	10-12 FT FD
VOCs			
CIS-1,2-DICHLOROETHENE	< 0.0050	**0.020**	**0.090**
TRICHLOROETHENE	**0.055**	**0.16**	**0.013**

G-2.5	07/01/24	07/01/24
	4-6 FT	4-6 FT FD
VOCs		
TRICHLOROETHENE	**0.027**	**0.033**

G-3.5	07/01/24
	6-8 FT
VOCs	
TRICHLOROETHENE	**0.081**

SB-13	10/31/2019
	6-8 FT
VOCs	
Benzene	**0.159**

LEGEND

- PMW-202 - MONITORING WELL LOCATION (JUNE 2024)
- MW-05 - MONITORING WELL LOCATION (OCTOBER 2019)
- MW-01 - FORMER MONITORING WELL LOCATION (REMOVED)
- A-1 - SOIL BORING LOCATION (MAY 2024)
- H-1 - SOIL BORING LOCATION (JULY 2024)

SB-11	10/31/2019	10/31/2019
	0-2 FT	14-16 FT
VOCs		
Trichloroethene	**0.229**	**0.12**

PMW-200	06/05/24
	8-10 FT
VOCs	
TRICHLOROETHENE	**4**

F-5	05/14/24
	6-8 FT
VOCs	
BENZENE	**0.0098**

SB-12	10/31/2019	10/31/2019
	0-2 FT	10-12 FT
VOCs		
Trichloroethene	**0.0316**	**0.224**

VOCs IN SOIL EXCEEDING LEACH-BASED VALUES

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio

FOR: OHIO DERR

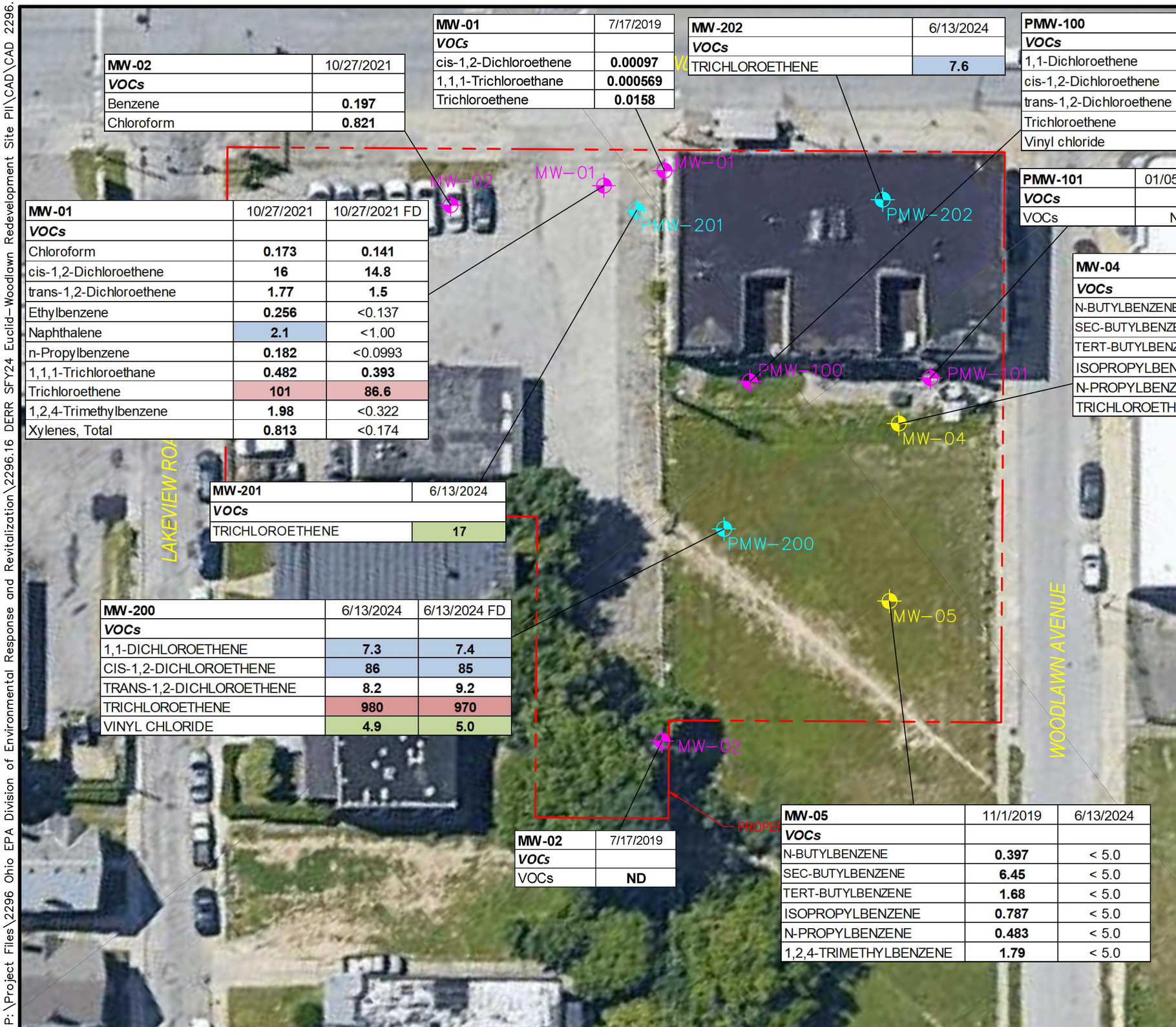
2296.16

PARTNERS
31100 Solon Road, Suite G
Solon, Ohio 44139
800-763-1363

15 0 30
SCALE: 1" = 30'

FIGURE
4A

P:\Project Files\2296 Ohio EPA Division of Environmental Response and Revitalization\2296.16 DERR SFY24 Euclid-Woodlawn Redevelopment Site PII\CAD\CAD 2296.16.



MW-02	10/27/2021
VOCs	
Benzene	0.197
Chloroform	0.821

MW-01	7/17/2019
VOCs	
cis-1,2-Dichloroethene	0.00097
1,1,1-Trichloroethane	0.000569
Trichloroethene	0.0158

MW-202	6/13/2024
VOCs	
TRICHLOROETHENE	7.6

PMW-100	01/05/2022
VOCs	
1,1-Dichloroethene	0.652
cis-1,2-Dichloroethene	7.95
trans-1,2-Dichloroethene	0.655
Trichloroethene	401
Vinyl chloride	0.53

PMW-101	01/05/2022	01/05/2022 FD
VOCs		
VOCs	ND	ND

MW-01	10/27/2021	10/27/2021 FD
VOCs		
Chloroform	0.173	0.141
cis-1,2-Dichloroethene	16	14.8
trans-1,2-Dichloroethene	1.77	1.5
Ethylbenzene	0.256	<0.137
Naphthalene	2.1	<1.00
n-Propylbenzene	0.182	<0.0993
1,1,1-Trichloroethane	0.482	0.393
Trichloroethene	101	86.6
1,2,4-Trimethylbenzene	1.98	<0.322
Xylenes, Total	0.813	<0.174

MW-04	11/1/2019	6/13/2024
VOCs		
N-BUTYLBENZENE	0.409	< 5.0
SEC-BUTYLBENZENE	7.37	< 5.0
TERT-BUTYLBENZENE	1.87	< 5.0
ISOPROPYLBENZENE	4.74	< 5.0
N-PROPYLBENZENE	1.27	< 5.0
TRICHLOROETHENE	10	< 5.0

MW-201	6/13/2024
VOCs	
TRICHLOROETHENE	17

MW-200	6/13/2024	6/13/2024 FD
VOCs		
1,1-DICHLOROETHENE	7.3	7.4
CIS-1,2-DICHLOROETHENE	86	85
TRANS-1,2-DICHLOROETHENE	8.2	9.2
TRICHLOROETHENE	980	970
VINYL CHLORIDE	4.9	5.0

MW-02	7/17/2019
VOCs	
VOCs	ND

MW-05	11/1/2019	6/13/2024
VOCs		
N-BUTYLBENZENE	0.397	< 5.0
SEC-BUTYLBENZENE	6.45	< 5.0
TERT-BUTYLBENZENE	1.68	< 5.0
ISOPROPYLBENZENE	0.787	< 5.0
N-PROPYLBENZENE	0.483	< 5.0
1,2,4-TRIMETHYLBENZENE	1.79	< 5.0

LEGEND

- PMW-202 - MONITORING WELL LOCATION (JUNE 2024)
- MW-05 - MONITORING WELL LOCATION (OCTOBER 2019)
- MW-01 - FORMER MONITORING WELL LOCATION (REMOVED)

Notes
1. VOCs = Volatile Organic Compounds
2. FD = Duplicate Sample
3. Only detections are shown
4. All results are presented in micrograms per liter (ug/l) or parts per billion (ppb)
5. Shaded results indicate an exceedance of a comparison standard (see below).

Comparison Standards		
VAP Standard	USEPA	
UPUS	Residential VISL	Commercial VISL

DISTRIBUTION OF VOCs IN GROUNDWATER MAP

Euclid-Woodlawn Redevelopment Site

12500 - 12524 Euclid Avenue and 1810 Woodlawn Avenue
East Cleveland, Cuyahoga County, Ohio

FOR: OHIO DERR

2296.16

PARTNERS
31100 Solon Road, Suite G
Solon, Ohio 44139
800-763-1363

15 0 30
SCALE: 1" = 30'

FIGURE 5

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TABLES

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Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			A-1 (0-2)	A-1 (2-4)	A-2 (4-6)	A-2 (6-8)	A-3 (4-6)	A-3 (6-8)	A-4 (4-6)	A-4 (8-10)	A-5 (4-6)	A-5 (6-8)	B-1 (4-6)	B-1 (8-10)	B-2 (4-6)	B-2 (6-8)	B-3 (2-4)	B-3 (4-6)	B-4 (2-4)	B-4 (4-6)	B-5 (2-4)	B-5 (4-6)	C-1 (2-4)	C-1 (4-6)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.049	< 0.038	< 0.052	< 0.043	< 0.062	< 0.046	< 0.050	< 0.042	< 0.052	< 0.045	< 0.046	< 0.042	< 0.042	< 0.044	< 0.046	< 0.047	< 0.056	< 0.069	< 0.052	< 0.053	< 0.039	< 0.044
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.049	< 0.038	< 0.052	< 0.043	**0.12**	**0.058**	< 0.050	< 0.042	< 0.052	**0.056**	**0.12**	< 0.042	< 0.042	< 0.044	< 0.046	**0.062**	< 0.056	< 0.069	< 0.052	< 0.053	< 0.039	< 0.044
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	**0.0085**	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	**0.013**	< 0.0038	**0.013**	**0.016**	**0.01**	< 0.0046	**0.012**	< 0.0042	**0.011**	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	**0.015**	< 0.0047	**0.01**	**0.011**	**0.0062**	**0.01**	< 0.0039	< 0.0044
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.020	< 0.015	< 0.021	< 0.017	< 0.025	< 0.018	< 0.020	< 0.017	< 0.021	< 0.018	< 0.019	< 0.017	< 0.017	< 0.017	< 0.018	< 0.019	< 0.022	< 0.027	< 0.021	< 0.021	< 0.016	< 0.017
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	**0.013**	< 0.0046	**0.006**	< 0.0042	**0.0084**	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	**0.0099**	< 0.0038	< 0.0052	< 0.0043	**0.0093**	< 0.0046	**0.0052**	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	**0.018**	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	**0.015**	**0.0063**	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.0099	< 0.0076	< 0.010	< 0.0086	< 0.012	< 0.0091	< 0.010	< 0.0084	< 0.010	< 0.0090	< 0.0093	< 0.0083	< 0.0084	< 0.0087	< 0.0092	< 0.0094	< 0.011	< 0.014	< 0.010	< 0.011	< 0.0078	< 0.0087

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			C-2 (2-4)	C-2 (6-8)	C-3 (4-6)	C-3 (8-10)	C-4 (4-6)	C-4 (6-8)	C-5 (6-8)	C-5 (8-10)	C.5-4.5 (2-4)	C.5-4.5 (4-6)	D-1 (2-4)	D-1 (4-6)	D-2 (4-6)	D-2 (6-8)	D-3 (4-6)	D-3 (6-8)	D-4 (4-6)	D-4 (6-8)	D-5 (0-2)	D-5 (2-4)	D.5-2.5 (2-4)	D.5-2.5 (6-8)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.016**	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**2.1**	**2.7**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**3.9**	**0.031**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.046	< 0.043	< 0.055	< 0.049	< 0.055	< 0.053	< 0.049	< 0.042	< 0.051	< 0.056	< 0.050	< 0.13	< 0.046	< 0.047	< 0.047	< 0.050	< 0.050	< 0.054	< 0.049	< 0.055	< 0.051	< 0.046
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.046	< 0.043	< 0.055	< 0.049	< 0.055	**0.061**	< 0.049	< 0.042	< 0.051	< 0.056	< 0.050	< 0.13	< 0.046	< 0.047	< 0.047	< 0.050	< 0.050	< 0.054	**0.056**	**0.063**	**0.095**	< 0.046
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	**0.0098**	**0.012**	**0.0072**	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	**0.0075**	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	**0.0057**	< 0.0055	< 0.0051	< 0.0046
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.054**	**0.01**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.11**	**0.021**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.031**	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.018	< 0.017	< 0.022	< 0.020	< 0.022	< 0.021	< 0.020	< 0.017	< 0.020	< 0.022	< 0.020	< 0.053	< 0.018	< 0.019	< 0.019	< 0.020	< 0.020	< 0.021	< 0.020	< 0.022	< 0.020	< 0.019
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	**0.0059**	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.11**	**0.021**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**1.1**	**0.065**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.038**	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	**0.0069**	< 0.0047	**4.8**	**0.13**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	**0.037**	< 0.0047	**1.8**	**0.14**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	**0.014**	**0.0079**
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.0091	< 0.0086	< 0.011	< 0.0098	< 0.011	< 0.011	< 0.0098	< 0.0085	< 0.010	< 0.011	< 0.010	< 0.026	< 0.0092	< 0.0094	**0.069**	< 0.010	< 0.010	< 0.011	< 0.0098	< 0.011	< 0.010	< 0.0093

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			D.5-4.5 (2-4)	D.5-4.5 (4-6)	E-1 (0-2)	E-1 (4-6)	E-2 (2-4)	E-2 (6-8)	E-3 (2-4)	E-3 (6-8)	E-4 (4-6)	E-4 (8-10)	E-5 (2-4)	E-5 (6-8)	E.5-2.5- (2-4)	E.5-2.5- (6-8)	DUP-3 (E.5-2.5 [6-8])	F-1 (2-4)	F-1 (4-6)	F-2 (4-6)	F-2 (6-8)	DUP-4 (F-2 [6-8])	F-3 (6-8)	F-3 (8-10)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.052	< 0.046	< 0.047	< 0.053	< 0.050	< 0.049	< 0.046	< 0.049	< 0.051	< 0.050	< 0.047	< 0.048	< 0.046	< 0.045	< 0.047	< 0.050	< 0.049	< 0.046	< 0.053	< 0.053	< 0.047	< 0.049
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	**0.062**	< 0.046	< 0.047	< 0.053	< 0.050	< 0.049	**0.082**	< 0.049	< 0.051	< 0.050	< 0.047	**0.049**	**0.065**	< 0.045	< 0.047	< 0.050	< 0.049	< 0.046	< 0.053	< 0.053	**0.049**	< 0.049
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0052	< 0.0046	**0.0052**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	**0.014**	< 0.0047	< 0.0049
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	< 0.0052	< 0.0046	**0.0051**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	**0.022**	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	**0.0075**
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	**0.011**	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	**0.0070**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.021	< 0.019	< 0.019	< 0.021	< 0.020	< 0.020	< 0.018	< 0.020	< 0.021	< 0.020	< 0.019	< 0.019	< 0.019	< 0.018	< 0.019	< 0.020	< 0.020	< 0.019	< 0.021	< 0.021	< 0.019	< 0.020
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	**0.078**	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	**0.0083**	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	**0.0061**
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0052	< 0.0046	**0.0079**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	**0.0064**	< 0.0047	< 0.0049
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0052	< 0.0046	**0.023**	**0.0088**	**0.015**	< 0.0049	**0.01**	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	**0.0056**	< 0.0047	**0.043**	< 0.0049	< 0.0046	< 0.0053	< 0.0053	**0.092**	**7.8**
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.010	< 0.0093	**0.010**	< 0.011	< 0.010	< 0.0099	< 0.0092	< 0.0099	< 0.010	< 0.0099	< 0.0094	< 0.0096	< 0.0093	< 0.0091	< 0.0095	< 0.010	< 0.0098	< 0.0093	< 0.011	< 0.011	< 0.0094	< 0.0098

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			F-4 (6-8)	DUP-2 (F-4 [6-8])	F-4 (8-10)	F-5 (4-6)	DUP-1 (F-5 [4-6])	F-5 (6-8)	PMW-200 (6-8)	PMW-200 (8-10)	PMW-201 (2-4)	PMW-201 (8-10)	PMW-202 (6-8)	PMW-202 (10-12)	H-4 (2-4)	DUP-07012024 (2-4) (H-4 [2-4])	H-4 (10-12)	G-2.5 (2-4)	DUP-07012024 (G-2.5 [2-4])	G-2.5 (4-6)	DUP-07012024 (4-6) (G-2.5 [4-6])	G-3.5 (4-6)	G-3.5 (6-8)	I-3.5 (4-6)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	06/05/24	06/05/24	06/05/24	06/05/24	06/05/24	06/05/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	**0.022**	**0.016**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	**0.0071**	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	**0.040**	**0.051**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.060**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.045	< 0.041	< 0.047	< 0.046	< 0.051	< 0.050	< 0.056	< 0.060	< 0.056	< 0.057	< 0.059	< 0.057	< 0.044	< 0.039	< 0.049	< 2.8	< 0.037	**0.12**	< 0.050	< 0.039	< 0.051	< 0.051
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.045	< 0.041	< 0.047	< 0.046	< 0.051	< 0.050	< 0.056	< 0.060	< 0.056	< 0.057	< 0.059	< 0.057	< 0.044	< 0.039	< 0.049	< 2.8	**0.042**	**0.40 E**	< 0.050	< 0.039	< 0.051	< 0.051
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	**0.0098**	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	**0.013**	**0.0094**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	**0.0095**	< 0.0039	**0.0059**	< 0.28	< 0.0037	**0.0070**	< 0.0050	**0.0041**	< 0.0051	**0.013**
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	**0.035**	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.013**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	**0.0058**	**0.0050**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	**0.013**	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.011	< 0.012	< 0.011	< 0.011	< 0.012	< 0.011	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.055**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.018	< 0.017	< 0.019	< 0.018	< 0.021	< 0.020	< 0.022	< 0.024	< 0.023	< 0.023	< 0.024	< 0.023	< 0.017	< 0.016	< 0.020	< 1.1	< 0.015	< 0.021	< 0.020	< 0.015	< 0.020	< 0.021
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	**0.013**	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	**0.0070**	**0.0072**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	**0.049**	**0.050**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	**0.056**	< 0.0039	**0.057**	< 0.28	**0.011**	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	**0.0058**	**0.0054**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.0076**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.078**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	**0.016**	**0.040**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	**0.078**	**0.073**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	**0.037**	< 0.0039	**0.13**	< 0.28	< 0.0037	**0.0069**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	**0.005**	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.0073**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	**4**	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.027**	**0.033**	< 0.0039	**0.081**	< 0.0051
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.0091	< 0.0083	< 0.0093	< 0.0091	< 0.010	< 0.010	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.0087	< 0.0079	< 0.0098	< 0.56	< 0.0074	**0.13**	< 0.0099	< 0.0077	< 0.010	< 0.010

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			I-3.5 (6-8)	I-2.5 (0-2)	I-2.5 (6-8)	J-1.25 (4-6)	J-1.25 (6-8)	I-1.5 (6-8)	I-1.5 (8-10)	G-1.5 (4-6)	G-1.5 (10-12)	DUP-07072024 (10-12) (G1.5 [1-12])	H-1 (4-6)	H-1 (8-10)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																	
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.054	< 0.094	< 0.044	< 0.049	< 0.054	< 0.050	< 0.050	< 0.050	< 0.053	< 0.057	< 0.063	< 0.087
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.054	< 0.094	< 0.044	< 0.049	< 0.054	< 0.050	< 0.050	< 0.050	< 0.053	< 0.057	**0.077**	< 0.087
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	< 0.0054	**0.028**	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	**0.020**	**0.090**	< 0.0063	< 0.0087
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.022	< 0.038	< 0.018	< 0.020	< 0.022	< 0.020	< 0.020	< 0.020	< 0.021	< 0.023	< 0.025	< 0.035
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	**0.0063**	< 0.0063	< 0.0087
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	**0.055**	**0.16**	**0.013**	< 0.0063	< 0.0087
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.011	< 0.019	< 0.0089	< 0.0098	< 0.011	< 0.010	< 0.0099	< 0.010	< 0.011	< 0.011	< 0.013	< 0.017

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.
Bold and shaded numbers indicate a detected concentration above a comparison standard.
NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit
All results were coded with "ND" laboratory qualifier
E:

Table 2: Summary of VOCs in Groundwater
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID		*VAP Standard*	*USEPA*		MW-04	MW-05	MW-200	DUP61324 (MW-200)	MW-201
Collection Date					6/13/2024	6/13/2024	6/13/2024	6/13/2024	6/13/2024
Parameter	Units [1]	*UPUS [2]*	*Residential VISL [3]*	*Commercial VISL [4]*	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs									
1,1,1,2-TETRACHLOROETHANE	µg/l	*5.7*	*91.5*	*400*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-TRICHLOROETHANE	µg/l	*200*	*13,600*	*57,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-TETRACHLOROETHANE	µg/l	*0.76*	*74.8*	*327*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-TRICHLOROETHANE	µg/l	*5*	*13.1*	*55*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	µg/l	*28*	*135*	*590*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHENE	µg/l	*7*	*320*	*1,340*	< 5.0	< 5.0	**7.3**	**7.4**	< 5.0
1,1-DICHLOROPROPENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-TRICHLOROBENZENE	µg/l	*NE*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-TRICHLOROPROPANE	µg/l	*0.0075*	*51.8*	*218*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-TRICHLOROBENZENE	µg/l	*70*	*103*	*432*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-TRIMETHYLBENZENE	µg/l	*56*	*626*	*2,630*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DIBROMO-3-CHLOROPROPANE	µg/l	*0.2*	*0.752*	*9.1*	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2-DIBROMOETHANE	µg/l	*0.05*	*3.71*	*16.2*	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-DICHLOROBENZENE	µg/l	*600*	*6,540*	*27,500*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	µg/l	*5*	*43.3*	*189*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROPROPANE	µg/l	*5*	*70.5*	*296*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-TRIMETHYLBENZENE	µg/l	*60*	*439*	*1,840*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-DICHLOROBENZENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-DICHLOROPROPANE	µg/l	*370*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	µg/l	*75*	*63.8*	*279*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2,2-DICHLOROPROPANE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-BUTANONE (MEK)	µg/l	*5,600*	*4,300,000*	*18,100,000*	< 50	< 50	< 50	< 50	< 50
2-CHLOROTOLUENE	µg/l	*NE*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-HEXANONE	µg/l	*NE*	*18,700*	*78,700*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-CHLOROTOLUENE	µg/l	*NE*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-METHYL-2-PENTANONE (MIBK)	µg/l	*6,300*	*1,190,000*	*5,020,000*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ACETONE	µg/l	*14,000*	*NIT*	*NIT*	< 50	< 50	< 50	< 50	< 50
BENZENE	µg/l	*5*	*29.7*	*130*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOBENZENE	µg/l	*NE*	*1,680*	*7,060*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOCHLOROMETHANE	µg/l	*NE*	*1,270*	*5,330*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMODICHLOROMETHANE	µg/l	*80*	*17.1*	*74.9*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOFORM	µg/l	*80*	*2,770*	*12,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOMETHANE	µg/l	*7.5*	*270*	*111*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CARBON DISULFIDE	µg/l	*810*	*2,060*	*8,650*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CARBON TETRACHLORIDE	µg/l	*5*	*7.59*	*33.2*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROBENZENE	µg/l	*100*	*883*	*3,710*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROETHANE	µg/l	*21,000*	*14,300*	*60,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROFORM	µg/l	*80*	*14.5*	*63.4*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROMETHANE	µg/l	*190*	*368*	*1,550*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CIS-1,2-DICHLOROETHENE	µg/l	*70*	*455*	*1,910*	< 5.0	< 5.0	**86**	**85**	< 5.0
CIS-1,3-DICHLOROPROPENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	µg/l	*80*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOMETHANE	µg/l	*10 [5]*	*244*	*1,030*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DICHLORODIFLUOROMETHANE	µg/l	*3,600*	*10.1*	*42.4*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ETHYLBENZENE	µg/l	*700*	*77.2*	*337*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEXACHLOROBUTADIENE	µg/l	*1*	*8.34*	*36.4*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ISOPROPYLBENZENE	µg/l	*450*	*2,420*	*10,200*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
M,P-XYLENE	µg/l	*NE*	*NE*	*NE*	< 10	< 10	< 10	< 10	< 10
METHYL TERT-BUTYL ETHER	µg/l	*140*	*7,860*	*34,300*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
METHYLENE CHLORIDE	µg/l	*5*	*8,050*	*33,800*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	µg/l	*1.7*	*127*	*556*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
N-BUTYLBENZENE	µg/l	*1,000*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
N-PROPYLBENZENE	µg/l	*660*	*2,430*	*10,200*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
O-XYLENE	µg/l	*NE*	*1,110*	*4,680*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
P-ISOPROPYLTOLUENE	µg/l	*180 [5]*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
SEC-BUTYLBENZENE	µg/l	*2,000 [5]*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
STYRENE	µg/l	*100*	*22,200*	*93,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TERT-BUTYLBENZENE	µg/l	*690 [5]*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TETRACHLOROETHENE	µg/l	*5*	*122*	*510*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TOLUENE	µg/l	*1,000*	*39,200*	*164,000*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Table 2: Summary of VOCs in Groundwater
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID		*VAP Standard*	*USEPA*		MW-04	MW-05	MW-200	DUP61324 (MW-200)	MW-201
Collection Date					6/13/2024	6/13/2024	6/13/2024	6/13/2024	6/13/2024
Parameter	Units [1]	*UPUS [2]*	*Residential VISL [3]*	*Commercial VISL [4]*	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs									
TRANS-1,2-DICHLOROETHENE	µg/l	*100*	*191*	*800*	< 5.0	< 5.0	**8.2**	**9.2**	< 5.0
TRANS-1,3-DICHLOROPROPENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	µg/l	*5*	*9.9*	*41.6*	< 5.0	< 5.0	**980**	**970**	**17**
TRICHLOROFLUOROMETHANE	µg/l	*5,200*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	µg/l	*2*	*2.08*	*34.6*	< 2.0	< 2.0	**4.9**	**5.0**	< 2.0
XYLENES, TOTAL	µg/l	*10,000*	*856*	*3,600*	< 15	< 15	< 15	< 15	< 15

Notes

1. µg/l = Micrograms per liter - parts per billion (ppb).
2. Ohio EPA Generic Unrestricted Potable Use Standards (UPUS)
3. USEPA VISL Target Groundwater Concentration for Residential Use.
4. USEPA VISL Target Groundwater Concentration for Commercial Use.
5. Supplemental criteria from the Ohio VAP CIDARS.

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a concentration above a comparison standard.

NE - No existing standard per the referenced agency

NIT: No inhalation toxicity.

Laboratory Qualifiers:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			A-1 (0-2)	A-1 (2-4)	A-2 (4-6)	A-2 (6-8)	A-3 (4-6)	A-3 (6-8)	A-4 (4-6)	A-4 (8-10)	A-5 (4-6)	A-5 (6-8)	B-1 (4-6)	B-1 (8-10)	B-2 (4-6)	B-2 (6-8)	B-3 (2-4)	B-3 (4-6)	B-4 (2-4)	B-4 (4-6)	B-5 (2-4)	B-5 (4-6)	C-1 (2-4)	C-1 (4-6)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.049	< 0.038	< 0.052	< 0.043	< 0.062	< 0.046	< 0.050	< 0.042	< 0.052	< 0.045	< 0.046	< 0.042	< 0.042	< 0.044	< 0.046	< 0.047	< 0.056	< 0.069	< 0.052	< 0.053	< 0.039	< 0.044
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.049	< 0.038	< 0.052	< 0.043	**0.12**	**0.058**	< 0.050	< 0.042	< 0.052	**0.056**	**0.12**	< 0.042	< 0.042	< 0.044	< 0.046	**0.062**	< 0.056	< 0.069	< 0.052	< 0.053	< 0.039	< 0.044
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	**0.0085**	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	**0.013**	< 0.0038	**0.013**	**0.016**	**0.01**	< 0.0046	**0.012**	< 0.0042	**0.011**	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	**0.015**	< 0.0047	**0.01**	**0.011**	**0.0062**	**0.01**	< 0.0039	< 0.0044
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.020	< 0.015	< 0.021	< 0.017	< 0.025	< 0.018	< 0.020	< 0.017	< 0.021	< 0.018	< 0.019	< 0.017	< 0.017	< 0.017	< 0.018	< 0.019	< 0.022	< 0.027	< 0.021	< 0.021	< 0.016	< 0.017
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	**0.013**	< 0.0046	**0.006**	< 0.0042	**0.0084**	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	**0.0099**	< 0.0038	< 0.0052	< 0.0043	**0.0093**	< 0.0046	**0.0052**	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	**0.018**	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	**0.015**	**0.0063**	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0049	< 0.0038	< 0.0052	< 0.0043	< 0.0062	< 0.0046	< 0.0050	< 0.0042	< 0.0052	< 0.0045	< 0.0046	< 0.0042	< 0.0042	< 0.0044	< 0.0046	< 0.0047	< 0.0056	< 0.0069	< 0.0052	< 0.0053	< 0.0039	< 0.0044
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.0099	< 0.0076	< 0.010	< 0.0086	< 0.012	< 0.0091	< 0.010	< 0.0084	< 0.010	< 0.0090	< 0.0093	< 0.0083	< 0.0084	< 0.0087	< 0.0092	< 0.0094	< 0.011	< 0.014	< 0.010	< 0.011	< 0.0078	< 0.0087

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			C-2 (2-4)	C-2 (6-8)	C-3 (4-6)	C-3 (8-10)	C-4 (4-6)	C-4 (6-8)	C-5 (6-8)	C-5 (8-10)	C.5-4.5 (2-4)	C.5-4.5 (4-6)	D-1 (2-4)	D-1 (4-6)	D-2 (4-6)	D-2 (6-8)	D-3 (4-6)	D-3 (6-8)	D-4 (4-6)	D-4 (6-8)	D-5 (0-2)	D-5 (2-4)	D.5-2.5 (2-4)	D.5-2.5 (6-8)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/13/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.016**	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**2.1**	**2.7**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**3.9**	**0.031**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.046	< 0.043	< 0.055	< 0.049	< 0.055	< 0.053	< 0.049	< 0.042	< 0.051	< 0.056	< 0.050	< 0.13	< 0.046	< 0.047	< 0.047	< 0.050	< 0.050	< 0.054	< 0.049	< 0.055	< 0.051	< 0.046
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.046	< 0.043	< 0.055	< 0.049	< 0.055	**0.061**	< 0.049	< 0.042	< 0.051	< 0.056	< 0.050	< 0.13	< 0.046	< 0.047	< 0.047	< 0.050	< 0.050	< 0.054	**0.056**	**0.063**	**0.095**	< 0.046
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	**0.0098**	**0.012**	**0.0072**	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	**0.0075**	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	**0.0057**	< 0.0055	< 0.0051	< 0.0046
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.054**	**0.01**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.11**	**0.021**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.031**	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.018	< 0.017	< 0.022	< 0.020	< 0.022	< 0.021	< 0.020	< 0.017	< 0.020	< 0.022	< 0.020	< 0.053	< 0.018	< 0.019	< 0.019	< 0.020	< 0.020	< 0.021	< 0.020	< 0.022	< 0.020	< 0.019
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	**0.0059**	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.11**	**0.021**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**1.1**	**0.065**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	**0.038**	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	**0.0069**	< 0.0047	**4.8**	**0.13**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	**0.037**	< 0.0047	**1.8**	**0.14**	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	**0.014**	**0.0079**
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0046	< 0.0043	< 0.0055	< 0.0049	< 0.0055	< 0.0053	< 0.0049	< 0.0042	< 0.0051	< 0.0056	< 0.0050	< 0.013	< 0.0046	< 0.0047	< 0.0047	< 0.0050	< 0.0050	< 0.0054	< 0.0049	< 0.0055	< 0.0051	< 0.0046
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.0091	< 0.0086	< 0.011	< 0.0098	< 0.011	< 0.011	< 0.0098	< 0.0085	< 0.010	< 0.011	< 0.010	< 0.026	< 0.0092	< 0.0094	**0.069**	< 0.010	< 0.010	< 0.011	< 0.0098	< 0.011	< 0.010	< 0.0093

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			D.5-4.5 (2-4)	D.5-4.5 (4-6)	E-1 (0-2)	E-1 (4-6)	E-2 (2-4)	E-2 (6-8)	E-3 (2-4)	E-3 (6-8)	E-4 (4-6)	E-4 (8-10)	E-5 (2-4)	E-5 (6-8)	E.5-2.5- (2-4)	E.5-2.5- (6-8)	DUP-3 (E.5-2.5 [6-8])	F-1 (2-4)	F-1 (4-6)	F-2 (4-6)	F-2 (6-8)	DUP-4 (F-2 [6-8])	F-3 (6-8)	F-3 (8-10)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24	05/15/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.052	< 0.046	< 0.047	< 0.053	< 0.050	< 0.049	< 0.046	< 0.049	< 0.051	< 0.050	< 0.047	< 0.048	< 0.046	< 0.045	< 0.047	< 0.050	< 0.049	< 0.046	< 0.053	< 0.053	< 0.047	< 0.049
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	**0.062**	< 0.046	< 0.047	< 0.053	< 0.050	< 0.049	**0.082**	< 0.049	< 0.051	< 0.050	< 0.047	**0.049**	**0.065**	< 0.045	< 0.047	< 0.050	< 0.049	< 0.046	< 0.053	< 0.053	**0.049**	< 0.049
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0052	< 0.0046	**0.0052**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	**0.014**	< 0.0047	< 0.0049
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	< 0.0052	< 0.0046	**0.0051**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	**0.022**	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	**0.0075**
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	**0.011**	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	**0.0070**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.021	< 0.019	< 0.019	< 0.021	< 0.020	< 0.020	< 0.018	< 0.020	< 0.021	< 0.020	< 0.019	< 0.019	< 0.019	< 0.018	< 0.019	< 0.020	< 0.020	< 0.019	< 0.021	< 0.021	< 0.019	< 0.020
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	**0.078**	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	**0.0083**	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	**0.0061**
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0052	< 0.0046	**0.0079**	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	**0.0064**	< 0.0047	< 0.0049
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0052	< 0.0046	**0.023**	**0.0088**	**0.015**	< 0.0049	**0.01**	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	**0.0056**	< 0.0047	**0.043**	< 0.0049	< 0.0046	< 0.0053	< 0.0053	**0.092**	**7.8**
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0052	< 0.0046	< 0.0047	< 0.0053	< 0.0050	< 0.0049	< 0.0046	< 0.0049	< 0.0051	< 0.0050	< 0.0047	< 0.0048	< 0.0046	< 0.0045	< 0.0047	< 0.0050	< 0.0049	< 0.0046	< 0.0053	< 0.0053	< 0.0047	< 0.0049
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.010	< 0.0093	**0.010**	< 0.011	< 0.010	< 0.0099	< 0.0092	< 0.0099	< 0.010	< 0.0099	< 0.0094	< 0.0096	< 0.0093	< 0.0091	< 0.0095	< 0.010	< 0.0098	< 0.0093	< 0.011	< 0.011	< 0.0094	< 0.0098

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			F-4 (6-8)	DUP-2 (F-4 [6-8])	F-4 (8-10)	F-5 (4-6)	DUP-1 (F-5 [4-6])	F-5 (6-8)	PMW-200 (6-8)	PMW-200 (8-10)	PMW-201 (2-4)	PMW-201 (8-10)	PMW-202 (6-8)	PMW-202 (10-12)	H-4 (2-4)	DUP-07012024 (2-4) (H-4 [2-4])	H-4 (10-12)	G-2.5 (2-4)	DUP-07012024 (G-2.5 [2-4])	G-2.5 (4-6)	DUP-07012024 (4-6) (G-2.5 [4-6])	G-3.5 (4-6)	G-3.5 (6-8)	I-3.5 (4-6)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	05/14/24	06/05/24	06/05/24	06/05/24	06/05/24	06/05/24	06/05/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																											
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	**0.022**	**0.016**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	**0.0071**	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	**0.040**	**0.051**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.060**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.045	< 0.041	< 0.047	< 0.046	< 0.051	< 0.050	< 0.056	< 0.060	< 0.056	< 0.057	< 0.059	< 0.057	< 0.044	< 0.039	< 0.049	< 2.8	< 0.037	**0.12**	< 0.050	< 0.039	< 0.051	< 0.051
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.045	< 0.041	< 0.047	< 0.046	< 0.051	< 0.050	< 0.056	< 0.060	< 0.056	< 0.057	< 0.059	< 0.057	< 0.044	< 0.039	< 0.049	< 2.8	**0.042**	**0.40 E**	< 0.050	< 0.039	< 0.051	< 0.051
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	**0.0098**	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	**0.013**	**0.0094**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	**0.0095**	< 0.0039	**0.0059**	< 0.28	< 0.0037	**0.0070**	< 0.0050	**0.0041**	< 0.0051	**0.013**
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	**0.035**	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.013**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	**0.0058**	**0.0050**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	**0.013**	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.011	< 0.012	< 0.011	< 0.011	< 0.012	< 0.011	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.055**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.018	< 0.017	< 0.019	< 0.018	< 0.021	< 0.020	< 0.022	< 0.024	< 0.023	< 0.023	< 0.024	< 0.023	< 0.017	< 0.016	< 0.020	< 1.1	< 0.015	< 0.021	< 0.020	< 0.015	< 0.020	< 0.021
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	**0.013**	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	**0.0070**	**0.0072**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	**0.049**	**0.050**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	**0.056**	< 0.0039	**0.057**	< 0.28	**0.011**	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	**0.0058**	**0.0054**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.0076**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.078**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	**0.016**	**0.040**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	**0.078**	**0.073**	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	**0.037**	< 0.0039	**0.13**	< 0.28	< 0.0037	**0.0069**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	**0.005**	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.0073**	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	**4**	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	**0.027**	**0.033**	< 0.0039	**0.081**	< 0.0051
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0045	< 0.0041	< 0.0047	< 0.0046	< 0.0051	< 0.0050	< 0.0056	< 0.0060	< 0.0056	< 0.0057	< 0.0059	< 0.0057	< 0.0044	< 0.0039	< 0.0049	< 0.28	< 0.0037	< 0.0053	< 0.0050	< 0.0039	< 0.0051	< 0.0051
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.0091	< 0.0083	< 0.0093	< 0.0091	< 0.010	< 0.010	< 0.017	< 0.018	< 0.017	< 0.017	< 0.018	< 0.017	< 0.0087	< 0.0079	< 0.0098	< 0.56	< 0.0074	**0.13**	< 0.0099	< 0.0077	< 0.010	< 0.010

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit

All results were coded with "ND" laboratory qualifier

E:

Table 1: Summary of VOCs in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards*			I-3.5 (6-8)	I-2.5 (0-2)	I-2.5 (6-8)	J-1.25 (4-6)	J-1.25 (6-8)	I-1.5 (6-8)	I-1.5 (8-10)	G-1.5 (4-6)	G-1.5 (10-12)	DUP-07072024 (10-12) (G1.5 [1-12])	H-1 (4-6)	H-1 (8-10)
Collection Date		*Soil Type II [7]*	*Residential Land Use [3]*	*Commercial/ Industrial Land Use[4]*	*Construction & Excavation Activities [5]*	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24	07/01/24
Parameter	**Units [2]**					Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs																	
1,1,1,2-TETRACHLOROETHANE	mg/kg	*NE*	*49*	*230*	*680*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1,1-TRICHLOROETHANE	mg/kg	*0.74*	*640*	*640*	*640*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1,2,2-TETRACHLOROETHANE	mg/kg	*NE*	*15*	*71*	*670*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1,2-TRICHLOROETHANE	mg/kg	*NE*	*28*	*130*	*1,200*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1-DICHLOROETHANE	mg/kg	*NE*	*89*	*390*	*1,700*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1-DICHLOROETHENE	mg/kg	*0.10*	*360*	*1,200*	*360*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,3-TRICHLOROPROPANE	mg/kg	*NE*	*0.1*	*4.4*	*19*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,4-TRICHLOROBENZENE	mg/kg	*NE*	*140*	*400*	*400*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2,4-TRIMETHYLBENZENE	mg/kg	*NE*	*220*	*220*	*220*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*NE*	*0.37*	*1.6*	*15*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DIBROMOETHANE	mg/kg	*NE*	*0.89*	*4.2*	*39*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DICHLOROBENZENE	mg/kg	*NE*	*380*	*380*	*380*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DICHLOROETHANE	mg/kg	*0.002*	*11*	*52*	*480*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,2-DICHLOROPROPANE	mg/kg	*NE*	*39*	*170*	*180*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,3,5-TRIMETHYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,3-DICHLOROPROPANE	mg/kg	*NE*	*1,500*	*1,500*	*1,500*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
1,4-DICHLOROBENZENE	mg/kg	*NE*	*65*	*290*	*2,600*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
2-BUTANONE (MEK)	mg/kg	*1.8*	*28,000*	*28,000*	*28,000*	< 0.054	< 0.094	< 0.044	< 0.049	< 0.054	< 0.050	< 0.050	< 0.050	< 0.053	< 0.057	< 0.063	< 0.087
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
2-HEXANONE (MBK)	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*NE*	*3,400*	*3,400*	*3,400*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
ACETONE	mg/kg	*NE*	*110,000*	*110,000*	*110,000*	< 0.054	< 0.094	< 0.044	< 0.049	< 0.054	< 0.050	< 0.050	< 0.050	< 0.053	< 0.057	**0.077**	< 0.087
BENZENE	mg/kg	*0.009*	*28*	*130*	*1,200*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOBENZENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOCHLOROMETHANE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMODICHLOROMETHANE	mg/kg	*NE*	*7.3*	*33*	*300*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOFORM	mg/kg	*NE*	*460*	*910*	*910*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
BROMOMETHANE	mg/kg	*NE*	*17*	*76*	*550*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CARBON DISULFIDE	mg/kg	*NE*	*740*	*740*	*740*	< 0.0054	**0.028**	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CARBON TETRACHLORIDE	mg/kg	*0.25*	*16*	*74*	*460*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROBENZENE	mg/kg	*NE*	*660*	*760*	*760*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROETHANE	mg/kg	*NE*	*2,100*	*2,100*	*2,100*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROFORM	mg/kg	*NE*	*7.9*	*35*	*320*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CHLOROMETHANE	mg/kg	*NE*	*280*	*1,200*	*1,300*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
CIS-1,2-DICHLOROETHENE	mg/kg	*0.07*	*310*	*2,400*	*2,400*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	**0.020**	**0.090**	< 0.0063	< 0.0087
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*1,900*	*1,900*	*1,900*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
DIBROMOCHLOROMETHANE	mg/kg	*NE*	*130*	*800*	*800*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
DIBROMOMETHANE	mg/kg	*NE*	*59 [6]*	*250 [6]*	*870 [6]*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
DICHLORODIFLUOROMETHANE	mg/kg	*NE*	*850*	*850*	*850*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
ETHYLBENZENE	mg/kg	*7.9*	*140*	*480*	*480*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
HEXACHLOROBUTADIENE	mg/kg	*NE*	*17*	*17*	*17*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
ISOPROPYLBENZENE	mg/kg	*NE*	*270*	*270*	*270*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
m,p-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
METHYL TERT-BUTYL ETHER	mg/kg	*NE*	*1,100*	*5,400*	*8,900*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
METHYLENE CHLORIDE	mg/kg	*NE*	*740*	*3,300*	*3,300*	< 0.022	< 0.038	< 0.018	< 0.020	< 0.022	< 0.020	< 0.020	< 0.020	< 0.021	< 0.023	< 0.025	< 0.035
NAPHTHALENE	mg/kg	*0.28*	*96*	*420*	*560*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
N-BUTYLBENZENE	mg/kg	*NE*	*96*	*420*	*560*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
N-PROPYLBENZENE	mg/kg	*NE*	*110*	*110*	*110*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
o-XYLENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
P-ISOPROPYLTOLUENE	mg/kg	*NE*	*160 [6]*	*160 [6]*	*160 [6]*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
SEC-BUTYLBENZENE	mg/kg	*NE*	*140*	*140*	*140*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
STYRENE	mg/kg	*0.37*	*870*	*870*	*870*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TERT-BUTYLBENZENE	mg/kg	*NE*	*180*	*180*	*180*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TETRACHLOROETHENE	mg/kg	*0.11*	*170*	*170*	*170*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TOLUENE	mg/kg	*4.1*	*820*	*820*	*820*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TRANS-1,2-DICHLOROETHENE	mg/kg	*0.23*	*19,000*	*19,000*	*19,000*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	**0.0063**	< 0.0063	< 0.0087
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	*NE*	*NE*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
TRICHLOROETHENE	mg/kg	*0.023*	*10*	*48*	*17*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	**0.055**	**0.16**	**0.013**	< 0.0063	< 0.0087
TRICHLOROFLUOROMETHANE	mg/kg	*NE*	*1,200*	*1,200*	*1,200*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
VINYL CHLORIDE	mg/kg	*0.005*	*1.3*	*49*	*280*	< 0.0054	< 0.0094	< 0.0044	< 0.0049	< 0.0054	< 0.0050	< 0.0050	< 0.0050	< 0.0053	< 0.0057	< 0.0063	< 0.0087
XYLENES, TOTAL	mg/kg	*96*	*260*	*260*	*260*	< 0.011	< 0.019	< 0.0089	< 0.0098	< 0.011	< 0.010	< 0.0099	< 0.010	< 0.011	< 0.011	< 0.013	< 0.017

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Commercial/Industrial Land Use.
5. Ohio VAP GDCS Construction/Excavation Activities.
6. Supplemental criteria from the Ohio VAP CIDARS.
7. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.
Bold and shaded numbers indicate a detected concentration above a comparison standard.
NE - No existing standard per the referenced agency

Laboratory Qualifiers:

ND: Not Detected at the Reporting Limit
All results were coded with "ND" laboratory qualifier
E:

Table 2: Summary of VOCs in Groundwater
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID		*VAP Standard*	*USEPA*		MW-04	MW-05	MW-200	DUP61324 (MW-200)	MW-201
Collection Date					6/13/2024	6/13/2024	6/13/2024	6/13/2024	6/13/2024
Parameter	Units [1]	*UPUS [2]*	*Residential VISL [3]*	*Commercial VISL [4]*	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs									
1,1,1,2-TETRACHLOROETHANE	µg/l	*5.7*	*91.5*	*400*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,1-TRICHLOROETHANE	µg/l	*200*	*13,600*	*57,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2,2-TETRACHLOROETHANE	µg/l	*0.76*	*74.8*	*327*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1,2-TRICHLOROETHANE	µg/l	*5*	*13.1*	*55*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	µg/l	*28*	*135*	*590*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHENE	µg/l	*7*	*320*	*1,340*	< 5.0	< 5.0	**7.3**	**7.4**	< 5.0
1,1-DICHLOROPROPENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-TRICHLOROBENZENE	µg/l	*NE*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,3-TRICHLOROPROPANE	µg/l	*0.0075*	*51.8*	*218*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-TRICHLOROBENZENE	µg/l	*70*	*103*	*432*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2,4-TRIMETHYLBENZENE	µg/l	*56*	*626*	*2,630*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DIBROMO-3-CHLOROPROPANE	µg/l	*0.2*	*0.752*	*9.1*	< 0.20	< 0.20	< 0.20	< 0.20	< 0.20
1,2-DIBROMOETHANE	µg/l	*0.05*	*3.71*	*16.2*	< 0.050	< 0.050	< 0.050	< 0.050	< 0.050
1,2-DICHLOROBENZENE	µg/l	*600*	*6,540*	*27,500*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROETHANE	µg/l	*5*	*43.3*	*189*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,2-DICHLOROPROPANE	µg/l	*5*	*70.5*	*296*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3,5-TRIMETHYLBENZENE	µg/l	*60*	*439*	*1,840*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-DICHLOROBENZENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,3-DICHLOROPROPANE	µg/l	*370*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
1,4-DICHLOROBENZENE	µg/l	*75*	*63.8*	*279*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2,2-DICHLOROPROPANE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-BUTANONE (MEK)	µg/l	*5,600*	*4,300,000*	*18,100,000*	< 50	< 50	< 50	< 50	< 50
2-CHLOROTOLUENE	µg/l	*NE*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
2-HEXANONE	µg/l	*NE*	*18,700*	*78,700*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-CHLOROTOLUENE	µg/l	*NE*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
4-METHYL-2-PENTANONE (MIBK)	µg/l	*6,300*	*1,190,000*	*5,020,000*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ACETONE	µg/l	*14,000*	*NIT*	*NIT*	< 50	< 50	< 50	< 50	< 50
BENZENE	µg/l	*5*	*29.7*	*130*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOBENZENE	µg/l	*NE*	*1,680*	*7,060*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOCHLOROMETHANE	µg/l	*NE*	*1,270*	*5,330*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMODICHLOROMETHANE	µg/l	*80*	*17.1*	*74.9*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOFORM	µg/l	*80*	*2,770*	*12,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
BROMOMETHANE	µg/l	*7.5*	*270*	*111*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CARBON DISULFIDE	µg/l	*810*	*2,060*	*8,650*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CARBON TETRACHLORIDE	µg/l	*5*	*7.59*	*33.2*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROBENZENE	µg/l	*100*	*883*	*3,710*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROETHANE	µg/l	*21,000*	*14,300*	*60,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROFORM	µg/l	*80*	*14.5*	*63.4*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CHLOROMETHANE	µg/l	*190*	*368*	*1,550*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
CIS-1,2-DICHLOROETHENE	µg/l	*70*	*455*	*1,910*	< 5.0	< 5.0	**86**	**85**	< 5.0
CIS-1,3-DICHLOROPROPENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOCHLOROMETHANE	µg/l	*80*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DIBROMOMETHANE	µg/l	*10 [5]*	*244*	*1,030*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
DICHLORODIFLUOROMETHANE	µg/l	*3,600*	*10.1*	*42.4*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ETHYLBENZENE	µg/l	*700*	*77.2*	*337*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
HEXACHLOROBUTADIENE	µg/l	*1*	*8.34*	*36.4*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
ISOPROPYLBENZENE	µg/l	*450*	*2,420*	*10,200*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
M,P-XYLENE	µg/l	*NE*	*NE*	*NE*	< 10	< 10	< 10	< 10	< 10
METHYL TERT-BUTYL ETHER	µg/l	*140*	*7,860*	*34,300*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
METHYLENE CHLORIDE	µg/l	*5*	*8,050*	*33,800*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
NAPHTHALENE	µg/l	*1.7*	*127*	*556*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
N-BUTYLBENZENE	µg/l	*1,000*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
N-PROPYLBENZENE	µg/l	*660*	*2,430*	*10,200*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
O-XYLENE	µg/l	*NE*	*1,110*	*4,680*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
P-ISOPROPYLTOLUENE	µg/l	*180 [5]*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
SEC-BUTYLBENZENE	µg/l	*2,000 [5]*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
STYRENE	µg/l	*100*	*22,200*	*93,100*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TERT-BUTYLBENZENE	µg/l	*690 [5]*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TETRACHLOROETHENE	µg/l	*5*	*122*	*510*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TOLUENE	µg/l	*1,000*	*39,200*	*164,000*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0

Table 2: Summary of VOCs in Groundwater
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID		*VAP Standard*	*USEPA*		MW-04	MW-05	MW-200	DUP61324 (MW-200)	MW-201
Collection Date					6/13/2024	6/13/2024	6/13/2024	6/13/2024	6/13/2024
Parameter	Units [1]	*UPUS [2]*	*Residential VISL [3]*	*Commercial VISL [4]*	Result	Result	Result	Result	Result
Volatile Organic Compounds - VOCs									
TRANS-1,2-DICHLOROETHENE	µg/l	*100*	*191*	*800*	< 5.0	< 5.0	**8.2**	**9.2**	< 5.0
TRANS-1,3-DICHLOROPROPENE	µg/l	*NE*	*NE*	*NE*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
TRICHLOROETHENE	µg/l	*5*	*9.9*	*41.6*	< 5.0	< 5.0	**980**	**970**	**17**
TRICHLOROFLUOROMETHANE	µg/l	*5,200*	*NIT*	*NIT*	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	µg/l	*2*	*2.08*	*34.6*	< 2.0	< 2.0	**4.9**	**5.0**	< 2.0
XYLENES, TOTAL	µg/l	*10,000*	*856*	*3,600*	< 15	< 15	< 15	< 15	< 15

Notes

1. µg/l = Micrograms per liter - parts per billion (ppb).
2. Ohio EPA Generic Unrestricted Potable Use Standards (UPUS)
3. USEPA VISL Target Groundwater Concentration for Residential Use.
4. USEPA VISL Target Groundwater Concentration for Commercial Use.
5. Supplemental criteria from the Ohio VAP CIDARS.

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a concentration above a comparison standard.

NE - No existing standard per the referenced agency

NIT: No inhalation toxicity.

Laboratory Qualifiers:

Table 3A
Summary of VOCs in Soil
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		Ohio EPA Generic Leach-Based Soil Values	VAP Standards[3]	SB-01 (2-4 FT)	SB-02 (10-12 FT)	SB-03 (6-8 FT)	SB-04 (10-12 FT)	MW-01 (10-12 FT)	MW-02 (4-6 FT)	SB-09 (0-2 FT)	SB-09 (10-12 FT)	SB-10 (0-2 FT)	SB-10 (14-16 FT)	SB-11 (0-2 FT)	SB-11 (14-16 FT)	SB-12 (0-2 FT)	SB-12 (10-12 FT)
Collection Date		Soil Type II[5]	Residential Land Use[3]	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/15/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019
Parameter	Units[2]			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Volatile Organic Compounds - VOCs																	
Acetone	mg/kg	NE	110,000	<0.0279	<0.0287	<0.0297	<0.0269	<0.0295	<0.0286	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	**0.0209J**	**0.0228J**
Acrylonitrile	mg/kg	NE	6.1	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
Benzene	mg/kg	0.09	28	<0.00111	<0.00115	<0.00119	<0.00107	<0.00118	**0.000547**	<0.00116	<0.00114	<0.00119	<0.00120	<0.00119	<0.00115	<0.00117	<0.00117
Bromobenzene	mg/kg	NE	NE	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
Bromodichloromethane	mg/kg	NE	7.3	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Bromoform	mg/kg	NE	460	<0.0279	<0.0287	<0.0297	<0.0269	<0.0295	<0.0286	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293
Bromomethane	mg/kg	NE	17	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
n-Butylbenzene	mg/kg	NE	110	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
sec-Butylbenzene	mg/kg	NE	140	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
tert-Butylbenzene	mg/kg	NE	180	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	**0.00184J**	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
Carbon tetrachloride	mg/kg	0.25	16	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
Chlorobenzene	mg/kg	NE	660	<0.00279	**0.00288**	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Chlorodibromomethane	mg/kg	NE	130	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Chloroethane	mg/kg	NE	2,100	<0.00557	<0.00575	**0.00206**	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
Chloroform	mg/kg	NE	7.9	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	**0.000578**	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Chloromethane	mg/kg	NE	280	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
2-Chlorotoluene	mg/kg	NE	NE	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
4-Chlorotoluene	mg/kg	NE	NE	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
1,2-Dibromo-3-Chloropropane	mg/kg	NE	0.37	<0.0279	<0.0287	<0.0297	<0.0269	<0.0295	<0.0286	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293
1,2-Dibromoethane (EDB)	mg/kg	NE	0.89	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Dibromomethane	mg/kg	NE	59	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
1,2-Dichlorobenzene	mg/kg	NE	380	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	**0.00245J**
1,3-Dichlorobenzene	mg/kg	NE	NE	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
1,4-Dichlorobenzene	mg/kg	NE	65	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
Dichlorodifluoromethane	mg/kg	NE	850	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,1-Dichloroethane	mg/kg	NE	89	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,2-Dichloroethane (EDC)	mg/kg	NE	11	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,1-Dichloroethene	mg/kg	NE	360	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
cis-1,2-Dichloroethene	mg/kg	0.07	310	<0.00279	**0.0108**	**0.00349**	<0.00269	<0.00295	<0.00286	<0.00290	**0.00487**	<0.00297	**0.0185**	<0.00299	**0.00273J**	<0.00292	**0.00178J**
trans-1,2-Dichloroethene	mg/kg	NE	1,900	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
1,2-Dichloropropane	mg/kg	NE	39	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
1,1-Dichloropropene	mg/kg	NE	NE	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,3-Dichloropropane	mg/kg	NE	1,500	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
cis-1,3-Dichloropropene	mg/kg	NE	NE	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
trans-1,3-Dichloropropene	mg/kg	0.23	NE	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
2,2-Dichloropropane	mg/kg	NE	NE	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Di-Isopropyl Ether	mg/kg	NE	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	mg/kg	7.9	140	<0.00279	**0.000715**	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	**0.000711J**	<0.00297	<0.00301	<0.00299	**0.000774J**	<0.00292	<0.00293
Hexachloro-1,3-butadiene	mg/kg	NE	17	<0.0279	<0.0287	<0.0297	<0.0269	<0.0295	<0.0286	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293
n-Hexane	mg/kg	NE	140	<0.00557	**0.00491**	<0.00595	**0.00263**	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
Isopropylbenzene	mg/kg	NE	270	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
p-Isopropyltoluene	mg/kg	NE	160	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
2-Butanone (MEK)	mg/kg	NE	28,000	**0.0223**	**0.0249**	**0.0259**	**0.0234**	**0.0233**	**0.0228**	**0.0381**	**0.03**	**0.0276J**	**0.0342**	**0.0658**	**0.0619**	**0.0605**	**0.0638**
Methylene Chloride	mg/kg	NE	740	<0.0279	<0.0287	<0.0297	<0.0269	<0.0295	<0.0286	**0.00962J**	**0.00807J**	**0.00839J**	**0.0091J**	**0.00819J**	<0.0288	<0.0292	<0.0293
4-Methyl-2-pentanone (MIBK)	mg/kg	NE	3,400	<0.0279	<0.0287	<0.0297	<0.0269	<0.0295	<0.0286	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293
Methyl tert-butyl ether (MTBE)	mg/kg	NE	1,100	<0.00111	<0.00115	<0.00119	<0.00107	<0.00118	<0.00114	<0.00116	<0.00114	<0.00119	<0.00120	<0.00119	<0.00115	<0.00117	<0.00117
Naphthalene	mg/kg	0.28	96	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	**0.0137**	<0.0145	<0.0142	**0.00734J**	**0.00409J**	<0.0149	<0.0144	<0.0146	<0.0146
n-Propylbenzene	mg/kg	NE	260	<0.00557	<0.00575	<0.00595	**0.00161**	<0.00589	<0.00572	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
Styrene	mg/kg	0.37	870	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
1,1,1,2-Tetrachloroethane	mg/kg	NE	49	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,1,2,2-Tetrachloroethane	mg/kg	NE	15	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Tetrachloroethene (PCE)	mg/kg	0.11	170	<0.00279	**0.00898**	**0.00132**	<0.00269	<0.00295	<0.00286	<0.00290	**0.00271J**	<0.00297	<0.00301	**0.00215J**	<0.00288	<0.00292	**0.00738**
Toluene	mg/kg	4.1	820	<0.00557	**0.00236**	<0.00595	<0.00537	<0.00589	**0.0041**	**0.00155J**	**0.00157J**	<0.00595	**0.00192J**	<0.00597	**0.00277J**	<0.00584	<0.00586
1,2,3-Trichlorobenzene	mg/kg	NE	NE	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,2,4-Trichlorobenzene	mg/kg	NE	140	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
1,1,1-Trichloroethane	mg/kg	NE	640	<0.00279	<0.00287	<0.00297	<0.00269	**0.00668**	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,1,2-Trichloroethane	mg/kg	NE	28	<0.00279	**0.00721**	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Trichloroethene (TCE)	mg/kg	0.023	10	<0.00111	**111**	**0.672**	**0.000826**	**0.167**	<0.00114	**0.0125**	**0.699**	**0.00503**	**6.04**	**0.229**	**0.12**	**0.0316**	**0.224**
Trichlorofluoromethane	mg/kg	NE	1,200	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
1,2,3-Trichloropropane	mg/kg	NE	0.1	<0.0139	<0.0144	<0.0149	<0.0134	<0.0147	<0.0143	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146
1,2,4-Trimethylbenzene	mg/kg	NE	220	<0.00557	**0.00205**	<0.00595	**0.0021**	<0.00589	**0.00212**	**0.00195J**	<0.00569	**0.00408J**	**0.00186J**	<0.00597	**0.0015J**	<0.00584	<0.00586
1,3,5-Trimethylbenzene	mg/kg	NE	180	<0.00557	<0.00575	<0.00595	<0.00537	<0.00589	<0.00572	<0.00581	<0.00569	**0.00253J**	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586
Vinyl chloride	mg/kg	0.005	1.3	<0.00279	<0.00287	<0.00297	<0.00269	<0.00295	<0.00286	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293
Xylenes, Total	mg/kg	96	260	<0.00724	<0.00747	<0.00773	<0.00698	<0.00766	**0.00572**	<0.00755	<0.00739	<0.00773	<0.00782	<0.00776	<0.00749	<0.00759	<0.00761
Polynuclear Aromatic Hydrocarbons-PAHs																	
ANTHRACENE	mg/kg	NE	36,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACENAPHTHENE	mg/kg	NE	7,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACENAPHTHYLENE	mg/kg	NE	7,200	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	mg/kg	NE	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	mg/kg	NE	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	mg/kg	NE	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(G,H,I)PERYLENE	mg/kg	NE	3,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(K)FLUORANTHENE	mg/kg	NE	230	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHRYSENE	mg/kg	NE	2,300	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZ(A,H)ANTHRACENE	mg/kg	NE	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUORANTHENE	mg/kg	NE	4,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
FLUORENE	mg/kg	NE	4,800	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	mg/kg	NE	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NAPHTHALENE	mg/kg	NE	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PHENANTHRENE	mg/kg	NE	36,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PYRENE	mg/kg	NE	3,600	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-METHYLNAPHTHALENE	mg/kg	NE	350	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-METHYLNAPHTHALENE	mg/kg	NE	480	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2-CHLORONAPHTHALENE	mg/kg	NE	13,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sample ID (Depth[1])	SB-13 (0-2 FT)	SB-13 (6-8 FT)	SB-14 (0-2 FT)	SB-14 (10-12 FT)	MW-04 (0-2 FT)	MW-04 (12-14 FT)	MW-05 (0-2 FT)	MW-05 (8-10 FT)	PMW-100 (8-10FT)	PMW-100 (8-10FT) D	PMW-101 (0-2FT)	SB-01 (2-4FT)	SB-01 (8-10FT)	SB-02 (0-2FT)	SB-02 (6-8FT)	SB-03 (0-2FT)	SB-03 (6-8FT)	SB-04 (4-6FT)
Collection Date	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	12/13/2021	12/13/2021	12/13/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021
Parameter	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Volatile Organic Compounds - VOCs																		
Acetone	<0.0274	<0.0288	**0.0166J**	**0.0241J**	<0.0279	<0.0302	<0.0291	<0.232	<0.0721	<0.0739	<0.0623	<0.0662	<0.0683	<0.0671	<0.0626	<0.0604	<0.0657	<0.0673
Acrylonitrile	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
Benzene	<0.00109	**0.159**	**0.0011J**	**0.00082J**	<0.00112	**0.000626J**	<0.00117	<0.00927	<0.00144	<0.00148	**0.00378**	<0.00132	<0.00137	<0.00134	<0.00125	**0.000986**	<0.00131	<0.00135
Bromobenzene	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
Bromodichloromethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Bromoform	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232	<0.0360	<0.0369	<0.0312	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336
Bromomethane	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
n-Butylbenzene	<0.0137	**0.00877J**	<0.0139	<0.0141	<0.0140	**0.0211**	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
sec-Butylbenzene	<0.0137	**0.0102J**	<0.0139	<0.0141	<0.0140	**0.0626**	<0.0146	**0.029J**	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
tert-Butylbenzene	<0.00547	**0.00499J**	<0.00555	<0.00564	<0.00558	**0.00575J**	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
Carbon tetrachloride	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	**0.00298**	<0.00657	<0.00673
Chlorobenzene	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Chlorodibromomethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Chloroethane	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
Chloroform	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Chloromethane	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
2-Chlorotoluene	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	**0.00495**	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
4-Chlorotoluene	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
1,2-Dibromo-3-Chloropropane	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232	<0.0360	<0.0369	<0.0312	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336
1,2-Dibromoethane (EDB)	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Dibromomethane	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
1,2-Dichlorobenzene	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
1,3-Dichlorobenzene	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
1,4-Dichlorobenzene	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
Dichlorodifluoromethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
1,1-Dichloroethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
1,2-Dichloroethane (EDC)	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
1,1-Dichloroethene	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
cis-1,2-Dichloroethene	<0.00274	<0.00288	<0.00277	**0.0996**	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	**0.00586**	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
trans-1,2-Dichloroethene	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
1,2-Dichloropropane	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
1,1-Dichloropropene	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
1,3-Dichloropropane	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
cis-1,3-Dichloropropene	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
trans-1,3-Dichloropropene	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
2,2-Dichloropropane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Di-Isopropyl Ether	-	-	-	-	-	-	-	-	-	-	-	<0.00132	<0.00137	<0.00134	<0.00125	<0.00121	<0.00131	<0.00135
Ethylbenzene	<0.00274	**0.0415**	**0.000956J**	<0.00282	**0.00804**	**0.0167**	**0.00155J**	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	**0.00367**	<0.00328	<0.00336
Hexachloro-1,3-butadiene	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232	<0.0360	<0.0369	<0.0312	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336
n-Hexane	<0.00547	**0.969**	**0.0119**	<0.00564	<0.00558	**0.0894**	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
Isopropylbenzene	<0.00274	**0.0442**	<0.00277	<0.00282	<0.00279	**0.0278**	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	**0.00403**	<0.00328	<0.00336
p-Isopropyltoluene	<0.00547	**0.00857**	<0.00555	<0.00564	<0.00558	**0.0236**	<0.00583	<0.0464	<0.00721	<0.00739	**0.0108**	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
2-Butanone (MEK)	**0.0411**	<0.0288	**0.0531**	**0.0602**	**0.0294**	<0.0302	**0.0246**	<0.232	<0.144	<0.148	<0.125	**0.131**	<0.137	**0.105**	<0.125	<0.121	**0.0841**	<0.135
Methylene Chloride	<0.0274	<0.0288	<0.0277	<0.0282	**0.00826J**	**0.0101J**	**0.0099J**	**0.0665J**	<0.0360	<0.0369	<0.0312	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336
4-Methyl-2-pentanone (MIBK)	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232	<0.0360	<0.0369	<0.0312	<0.0331	<0.0341	<0.0336	<0.0313	**0.00356**	<0.0328	<0.0336
Methyl tert-butyl ether (MTBE)	<0.00109	<0.00115	<0.00111	<0.00113	<0.00112	<0.00121	<0.00117	<0.00927	<0.00144	<0.00148	<0.00125	<0.00132	<0.00137	<0.00134	<0.00125	<0.00121	<0.00131	<0.00135
Naphthalene	**0.00547J**	**0.0106J**	**0.00698J**	<0.0141	**0.00763J**	**0.0319**	**0.00932J**	<0.116	<0.0180	<0.0185	**0.049**	<0.0165	<0.0171	<0.0168	<0.0157	**0.0227**	<0.0164	<0.0168
n-Propylbenzene	<0.00547	**0.0445**	<0.00555	<0.00564	<0.00558	**0.0345**	<0.00583	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	**0.00695**	<0.00657	<0.00673
Styrene	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
1,1,1,2-Tetrachloroethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
1,1,2,2-Tetrachloroethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Tetrachloroethene (PCE)	<0.00274	<0.00288	<0.00277	**0.00331**	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	**0.00135**	<0.00328	<0.00336
Toluene	<0.00547	**0.00486J**	**0.00293J**	**0.00158J**	<0.00558	**0.00587J**	**0.00151J**	<0.0464	<0.00721	<0.00739	**0.00613**	<0.00662	<0.00683	<0.00671	<0.00626	**0.011**	<0.00657	<0.00673
1,2,3-Trichlorobenzene	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
1,2,4-Trichlorobenzene	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
1,1,1-Trichloroethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	**0.0295**	<0.00328	<0.00336
1,1,2-Trichloroethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Trichloroethene (TCE)	**0.00152**	<0.00115	<0.00111	**3.63**	**0.00162**	<0.00121	**0.00367**	**0.0169**	**0.0186**	**0.0523**	**0.00253**	<0.00132	**0.133**	<0.00134	<0.00125	**0.019**	<0.00131	<0.00135
Trichlorofluoromethane	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
1,2,3-Trichloropropane	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116	<0.0180	<0.0185	<0.0156	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168
1,2,4-Trimethylbenzene	**0.00413J**	**0.298**	**0.00371J**	<0.00564	**0.00372J**	**0.0764**	**0.00306J**	<0.0464	<0.00721	<0.00739	**0.00592**	<0.00662	<0.00683	<0.00671	<0.00626	**0.00993**	<0.00657	<0.00673
1,3,5-Trimethylbenzene	**0.00249J**	**0.215**	**0.00125J**	<0.00564	**0.00238J**	**0.0403**	**0.00239J**	<0.0464	<0.00721	<0.00739	<0.00623	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673
Vinyl chloride	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232	<0.00360	<0.00369	<0.00312	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336
Xylenes, Total	<0.00712	**2.19**	**0.0101**	<0.00733	<0.00726	**0.0116**	<0.00757	<0.0603	<0.00937	<0.00960	**0.00875**	<0.00860	<0.00887	<0.00873	<0.00814	**0.0302**	<0.00854	<0.00874
Polynuclear Aromatic Hydrocarbons-PAHs																		
ANTHRACENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.0422**	-	<0.00701	-	-	-	<0.00684	-
ACENAPHTHENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.0133**	-	<0.00701	-	-	-	<0.00684	-
ACENAPHTHYLENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.0117**	-	<0.00701	-	-	-	<0.00684	-
BENZO(A)ANTHRACENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.2**	-	**0.00521**	-	-	-	<0.00684	-
BENZO(A)PYRENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.2**	-	**0.00744**	-	-	-	<0.00684	-
BENZO(B)FLUORANTHENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.257**	-	**0.0109**	-	-	-	<0.00684	-
BENZO(G,H,I)PERYLENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.137**	-	**0.0083**	-	-	-	<0.00684	-
BENZO(K)FLUORANTHENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.0907**	-	**0.00426**	-	-	-	<0.00684	-
CHRYSENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.196**	-	**0.00646**	-	-	-	<0.00684	-
DIBENZ(A,H)ANTHRACENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.0276**	-	<0.00701	-	-	-	<0.00684	-
FLUORANTHENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.366**	-	**0.0042**	-	-	-	<0.00684	-
FLUORENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.0102**	-	<0.00701	-	-	-	<0.00684	-
INDENO(1,2,3-CD)PYRENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.161**	-	**0.00764**	-	-	-	<0.00684	-
NAPHTHALENE	-	-	-	-	-	-	-	-	<0.0239	<0.0241	**0.00796**	-	<0.0234	-	-	-	<0.0228	-
PHENANTHRENE	-	-	-	-	-	-	-	-	<0.00717	<0.00723	**0.181**	-	<0.00701	-	-	-	<0.00684	-
PYRENE	-	-	-	-	-	-	-	-	**0.0024**	<0.00723	**0.344**	-	**0.00437**	-	-	-	<0.00684	-
1-METHYLNAPHTHALENE	-	-	-	-	-	-	-	-	<0.0239	<0.0241	**0.0117**	-	<0.0234	-	-	-	<0.0228	-
2-METHYLNAPHTHALENE	-	-	-	-	-	-	-	-	<0.0239	<0.0241	**0.0167**	-	<0.0234	-	-	-	<0.0228	-
2-CHLORONAPHTHALENE	-	-	-	-	-	-	-	-	<0.0239	<0.0241	<0.0222	-	<0.0234	-	-	-	<0.0228	-

Notes
1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Supplemental criteria from the Ohio VAP CIDARS.
5. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.
Bold and shaded numbers indicate a detected concentration above a comparison standard.
NE - No existing standard per the referenced agency

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Table 3A
Summary of VOCs in Soil
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*Ohio EPA Generic Leach-Based Soil Values*	*VAP Standards[3]*	SB-04 (6-8FT)	SB-05 (6-8FT)	SB-05 (8-10FT)	SB-05 (8-10FT) Duplicate	SB-06 (0-2FT)	SB-06 (8-10FT)	MW-01 (4-6FT)	MW-01 (8-10FT)	MW-02 (0-2FT)	MW-02 (2-4FT)	PMW-100 (8-10 FT)	Duplicate PMW-100 (8-10FT)	PMW-101 (0-2FT)
Collection Date		*Soil Type II [5]*	*Residential Land Use [3]*	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	12/13/2021	12/13/2021	12/13/2021
Parameter	**Units [2]**			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Volatile Organic Compounds - VOCs																
Acetone	mg/kg	*NE*	*110,000*	<0.0680	<0.0584	<0.0679	<0.0687	<0.0584	<0.0694	<0.0684	<0.0702	<0.0652	<0.0713	<0.0721	<0.0739	<0.0623
Acrylonitrile	mg/kg	*NE*	*6.1*	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
Benzene	mg/kg	*0.09*	*28*	<0.00136	<0.00117	<0.00136	<0.00137	**0.00107**	<0.00139	<0.00137	**0.0014**	**0.00434**	<0.00143	<0.00144	<0.00148	**0.00378**
Bromobenzene	mg/kg	*NE*	*NE*	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
Bromodichloromethane	mg/kg	*NE*	*7.3*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Bromoform	mg/kg	*NE*	*460*	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356	<0.0360	<0.0369	<0.0312
Bromomethane	mg/kg	*NE*	*17*	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
n-Butylbenzene	mg/kg	*NE*	*110*	<0.0170	<0.0146	**0.421**	**0.808**	**0.0109**	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
sec-Butylbenzene	mg/kg	*NE*	*140*	<0.0170	**0.00401**	**0.872**	**0.958**	**0.0093**	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
tert-Butylbenzene	mg/kg	*NE*	*180*	<0.00680	<0.00584	**0.0564**	**0.0583**	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
Carbon tetrachloride	mg/kg	*0.25*	*16*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
Chlorobenzene	mg/kg	*NE*	*660*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Chlorodibromomethane	mg/kg	*NE*	*130*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Chloroethane	mg/kg	*NE*	*2,100*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
Chloroform	mg/kg	*NE*	*7.9*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Chloromethane	mg/kg	*NE*	*280*	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
2-Chlorotoluene	mg/kg	*NE*	*NE*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
4-Chlorotoluene	mg/kg	*NE*	*NE*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
1,2-Dibromo-3-Chloropropane	mg/kg	*NE*	*0.37*	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356	<0.0360	<0.0369	<0.0312
1,2-Dibromoethane (EDB)	mg/kg	*NE*	*0.89*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Dibromomethane	mg/kg	*NE*	*59*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
1,2-Dichlorobenzene	mg/kg	*NE*	*380*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
1,3-Dichlorobenzene	mg/kg	*NE*	*NE*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
1,4-Dichlorobenzene	mg/kg	*NE*	*65*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
Dichlorodifluoromethane	mg/kg	*NE*	*850*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
1,1-Dichloroethane	mg/kg	*NE*	*89*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	**0.00583**	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
1,2-Dichloroethane (EDC)	mg/kg	*NE*	*11*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
1,1-Dichloroethene	mg/kg	*NE*	*360*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
cis-1,2-Dichloroethene	mg/kg	*0.07*	*310*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	**0.0256**	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
trans-1,2-Dichloroethene	mg/kg	*NE*	*1,900*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
1,2-Dichloropropane	mg/kg	*NE*	*39*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
1,1-Dichloropropene	mg/kg	*NE*	*NE*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
1,3-Dichloropropane	mg/kg	*NE*	*1,500*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
cis-1,3-Dichloropropene	mg/kg	*NE*	*NE*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
trans-1,3-Dichloropropene	mg/kg	*0.23*	*NE*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
2,2-Dichloropropane	mg/kg	*NE*	*NE*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Di-Isopropyl Ether	mg/kg	*NE*	*NE*	<0.00136	<0.00117	<0.00136	<0.00137	<0.00117	<0.00139	<0.00137	<0.00140	<0.00130	<0.00143	-	-	-
Ethylbenzene	mg/kg	*7.9*	*140*	<0.00340	<0.00292	<0.00340	<0.00344	**0.00264**	<0.00347	<0.00342	<0.00351	**0.012**	<0.00356	<0.00360	<0.00369	<0.00312
Hexachloro-1,3-butadiene	mg/kg	*NE*	*17*	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356	<0.0360	<0.0369	<0.0312
n-Hexane	mg/kg	*NE*	*140*	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	<0.00623
Isopropylbenzene	mg/kg	*NE*	*270*	<0.00340	<0.00292	**0.016**	**0.0477**	**0.00183**	<0.00347	<0.00342	<0.00351	**0.00789**	<0.00356	<0.00360	<0.00369	<0.00312
p-Isopropyltoluene	mg/kg	*NE*	*160*	<0.00680	<0.00584	**0.205**	**0.425**	**0.00427**	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713	<0.00721	<0.00739	**0.0108**
2-Butanone (MEK)	mg/kg	*NE*	*28,000*	<0.136	**0.0949**	<0.136	**0.124**	<0.117	<0.139	<0.137	<0.140	<0.130	<0.143	<0.144	<0.148	<0.125
Methylene Chloride	mg/kg	*NE*	*740*	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356	<0.0360	<0.0369	<0.0312
4-Methyl-2-pentanone (MIBK)	mg/kg	*NE*	*3,400*	<0.0340	<0.0292	**0.0929**	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356	<0.0360	<0.0369	<0.0312
Methyl tert-butyl ether (MTBE)	mg/kg	*NE*	*1,100*	<0.00136	<0.00117	<0.00136	<0.00137	<0.00117	<0.00139	<0.00137	<0.00140	<0.00130	<0.00143	<0.00144	<0.00148	<0.00125
Naphthalene	mg/kg	*0.28*	*96*	<0.0170	<0.0146	**0.0465**	**0.102**	**0.0169**	<0.0173	<0.0171	<0.0176	**0.0384**	<0.0178	<0.0180	<0.0185	**0.049**
n-Propylbenzene	mg/kg	*NE*	*260*	<0.00680	<0.00584	**0.0526**	**0.133**	**0.00335**	<0.00694	<0.00684	<0.00702	**0.0121**	<0.00713	<0.00721	<0.00739	<0.00623
Styrene	mg/kg	*0.37*	*870*	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
1,1,1,2-Tetrachloroethane	mg/kg	*NE*	*49*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
1,1,2,2-Tetrachloroethane	mg/kg	*NE*	*15*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Tetrachloroethene (PCE)	mg/kg	*0.11*	*170*	<0.00340	<0.00292	**0.00145**	**0.00249**	**0.00841**	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Toluene	mg/kg	*4.1*	*820*	<0.00680	<0.00584	<0.00679	<0.00687	**0.00511**	<0.00694	<0.00684	<0.00702	**0.0378**	<0.00713	<0.00721	<0.00739	**0.00613**
1,2,3-Trichlorobenzene	mg/kg	*NE*	*NE*	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
1,2,4-Trichlorobenzene	mg/kg	*NE*	*140*	<0.0170	<0.0146	**0.0496**	**0.0423**	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
1,1,1-Trichloroethane	mg/kg	*NE*	*640*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
1,1,2-Trichloroethane	mg/kg	*NE*	*28*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Trichloroethene (TCE)	mg/kg	*0.023*	*10*	<0.00136	<0.00117	<0.00136	<0.00137	**0.00645**	<0.00139	**0.0049**	**0.347**	<0.00130	<0.00143	**0.0186**	**0.0523**	**0.00253**
Trichlorofluoromethane	mg/kg	*NE*	*1,200*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
1,2,3-Trichloropropane	mg/kg	*NE*	*0.1*	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178	<0.0180	<0.0185	<0.0156
1,2,4-Trimethylbenzene	mg/kg	*NE*	*220*	<0.00680	**0.00869**	**0.511**	**1.86**	**0.018**	<0.00694	<0.00684	<0.00702	**0.0159**	<0.00713	<0.00721	<0.00739	**0.00592**
1,3,5-Trimethylbenzene	mg/kg	*NE*	*180*	<0.00680	**0.00962**	**0.614**	**1.51**	**0.0114**	<0.00694	<0.00684	<0.00702	**0.0036**	<0.00713	<0.00721	<0.00739	<0.00623
Vinyl chloride	mg/kg	*0.005*	*1.3*	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356	<0.00360	<0.00369	<0.00312
Xylenes, Total	mg/kg	*96*	*260*	<0.00884	<0.00759	**0.00274**	**0.00906**	**0.0193**	<0.00902	<0.00889	**0.00229**	**0.0665**	**0.00143**	<0.00937	<0.00960	**0.00875**
Polynuclear Aromatic Hydrocarbons-PAHs																
ANTHRACENE	mg/kg	*NE*	*36,000*	-	-	**0.0216**	**0.0414**	-	-	-	-	-	**0.00778**	<0.00717	<0.00723	**0.0422**
ACENAPHTHENE	mg/kg	*NE*	*7,200*	-	-	**0.0396**	**0.0714**	-	-	-	-	-	<0.00703	<0.00717	<0.00723	**0.0133**
ACENAPHTHYLENE	mg/kg	*NE*	*7,200*	-	-	<0.00696	<0.00697	-	-	-	-	-	**0.00428**	<0.00717	<0.00723	**0.0117**
BENZO(A)ANTHRACENE	mg/kg	*NE*	*23*	-	-	**0.0407**	**0.0721**	-	-	-	-	-	**0.0353**	<0.00717	<0.00723	**0.2**
BENZO(A)PYRENE	mg/kg	*NE*	*2.3*	-	-	**0.0312**	**0.0599**	-	-	-	-	-	**0.029**	<0.00717	<0.00723	**0.2**
BENZO(B)FLUORANTHENE	mg/kg	*NE*	*23*	-	-	**0.0312**	**0.0639**	-	-	-	-	-	**0.0479**	<0.00717	<0.00723	**0.257**
BENZO(G,H,I)PERYLENE	mg/kg	*NE*	*3,600*	-	-	**0.0237**	**0.046**	-	-	-	-	-	**0.0234**	<0.00717	<0.00723	**0.137**
BENZO(K)FLUORANTHENE	mg/kg	*NE*	*230*	-	-	**0.037**	**0.0632**	-	-	-	-	-	**0.015**	<0.00717	<0.00723	**0.0907**
CHRYSENE	mg/kg	*NE*	*2,300*	-	-	**0.0469**	**0.0861**	-	-	-	-	-	**0.0423**	<0.00717	<0.00723	**0.196**
DIBENZ(A,H)ANTHRACENE	mg/kg	*NE*	*2.3*	-	-	**0.00339**	**0.00663**	-	-	-	-	-	**0.00536**	<0.00717	<0.00723	**0.0276**
FLUORANTHENE	mg/kg	*NE*	*4,800*	-	-	**0.123**	**0.242**	-	-	-	-	-	**0.0872**	<0.00717	<0.00723	**0.366**
FLUORENE	mg/kg	*NE*	*4,800*	-	-	**0.0797**	**0.144**	-	-	-	-	-	<0.00703	<0.00717	<0.00723	**0.0102**
INDENO(1,2,3-CD)PYRENE	mg/kg	*NE*	*23*	-	-	**0.0171**	**0.0319**	-	-	-	-	-	**0.0274**	<0.00717	<0.00723	**0.161**
NAPHTHALENE	mg/kg	*NE*	*96*	-	-	**0.0569**	**0.0962**	-	-	-	-	-	<0.0234	<0.0239	<0.0241	**0.00796**
PHENANTHRENE	mg/kg	*NE*	*36,000*	-	-	**0.41**	**0.761**	-	-	-	-	-	**0.0441**	<0.00717	<0.00723	**0.181**
PYRENE	mg/kg	*NE*	*3,600*	-	-	**0.333**	**0.592**	-	-	-	-	-	**0.0655**	**0.0024**	<0.00723	**0.344**
1-METHYLNAPHTHALENE	mg/kg	*NE*	*350*	-	-	**0.123**	**0.0972**	-	-	-	-	-	<0.0234	<0.0239	<0.0241	**0.0117**
2-METHYLNAPHTHALENE	mg/kg	*NE*	*480*	-	-	**0.0215**	<0.0232	-	-	-	-	-	<0.0234	<0.0239	<0.0241	**0.0167**
2-CHLORONAPHTHALENE	mg/kg	*NE*	*13,000*	-	-	<0.0232	<0.0232	-	-	-	-	-	<0.0234	<0.0239	<0.0241	<0.0222

Notes
1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Supplemental criteria from the Ohio VAP CIDARS.
5. Ohio EPA VAP Derived Leach-Based Soil Values for Soil Type II, TGM October 2008

Bold numbers indicate a concentration above laboratory reporting limits.
Bold and shaded numbers indicate a detected concentration above a comparison standard.
NE - No existing standard per the referenced agency

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Table 3B
Summary of VOCs in Groundwater
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

Sample ID		VISL [2]		MW-01	MW-02	MW-04	MW-05
Collection Date				7/17/2019	7/17/2019	11/01/2019	11/01/2019
Parameter	Units [1]	VISL Residential Use	Commercial Scenario	Value	Value	Value	Value
Volatile Organic Compounds - VOCs							
Acetone	mg/L	*40,200*	*95,000*	<0.0100	<0.0100	<0.0100	<0.0100
Acrolein	mg/L	*0.007*	*0.018*	<0.00887	<0.00887	<0.00887	<0.00887
Acrylonitrile	mg/L	*0.144*	*186*	<0.00187	<0.00187	<0.00187	<0.00187
Benzene	mg/L	*0.03*	*0.069*	<0.000331	<0.000331	<0.000331	<0.000331
Bromobenzene	mg/L	*1.68*	*2.6*	<0.000352	<0.000352	<0.000352	<0.000352
Bromodichloromethane	mg/L	*0.017*	*0.038*	<0.000380	<0.000380	<0.000380	<0.000380
Bromoform	mg/L	*2.77*	*5.1*	<0.000469	<0.000469	<0.000469	<0.000469
Bromomethane	mg/L	*0.027*	*0.07*	<0.000866	<0.000866	<0.000866	<0.000866
n-Butylbenzene	mg/L	*NIT*	*NIT*	<0.000361	<0.000361	**0.000409**	**0.000397**
sec-Butylbenzene	mg/L	*NIT*	*NIT*	<0.000365	<0.000365	**0.00737**	**0.00645**
tert-Butylbenzene	mg/L	*NIT*	*NIT*	<0.000399	<0.000399	**0.00187**	**0.00168**
Carbon tetrachloride	mg/L	*0.008*	*0.018*	<0.000379	<0.000379	<0.000379	<0.000379
Chlorobenzene	mg/L	*0.883*	*1.72*	<0.000348	<0.000348	<0.000348	<0.000348
Chlorodibromomethane	mg/L	*NIT*	*NIT*	<0.000327	<0.000327	<0.000327	<0.000327
Chloroethane	mg/L	*NIT*	*NIT*	<0.000453	<0.000453	<0.000453	<0.000453
Chloroform	mg/L	*0.015*	*0.04*	<0.000324	<0.000324	<0.000324	<0.000324
Chloromethane	mg/L	*0.368*	*1.09*	<0.000276	<0.000276	<0.000276	<0.000276
2-Chlorotoluene	mg/L	*NIT*	*NIT*	<0.000375	<0.000375	<0.000375	<0.000375
4-Chlorotoluene	mg/L	*NIT*	*NIT*	<0.000351	<0.000351	<0.000351	<0.000351
1,2-Dibromo-3-Chloropropane	mg/L	*0.001*	*0.01*	<0.00133	<0.00133	<0.00133	<0.00133
1,2-Dibromoethane (EDB)	mg/L	*0.004*	*0.018*	<0.000381	<0.000381	<0.000381	<0.000381
Dibromomethane	mg/L	*0.244*	*1.09*	<0.000346	<0.000346	<0.000346	<0.000346
1,2-Dichlorobenzene	mg/L	*6.54*	*29*	<0.000349	<0.000349	<0.000349	<0.000349
1,3-Dichlorobenzene	mg/L	*NIT*	*NIT*	<0.000220	<0.000220	<0.000220	<0.000220
1,4-Dichlorobenzene	mg/L	*0.064*	*0.029*	<0.000274	<0.000274	<0.000274	<0.000274
Dichlorodifluoromethane	mg/L	*0.01*	*0.063*	<0.000551	<0.000551	<0.000551	<0.000551
1,1-Dichloroethane	mg/L	*0.135*	*0.62*	<0.000259	<0.000259	<0.000259	<0.000259
1,2-Dichloroethane (EDC)	mg/L	*0.043*	*0.20*	<0.000361	<0.000361	<0.000361	<0.000361
1,1-Dichloroethene	mg/L	*0.32*	*1.40*	<0.000398	<0.000398	<0.000398	<0.000398
cis-1,2-Dichloroethene (cis-DCE)	mg/L	*NIT*	*NIT*	**0.00097**	<0.000260	<0.000260	<0.000260
trans-1,2-Dichloroethene	mg/L	*0.191*	*NIT*	<0.000396	<0.000396	<0.000396	<0.000396
1,2-Dichloropropane	mg/L	*0.071*	*0.31*	<0.000306	<0.000306	<0.000306	<0.000306
1,1-Dichloropropene	mg/L	*NIT*	*NIT*	<0.000352	<0.000352	<0.000352	<0.000352
1,3-Dichloropropane	mg/L	*NIT*	*NIT*	<0.000366	<0.000366	<0.000366	<0.000366
cis-1,3-Dichloropropene	mg/L	*0.1*	*0.45*	<0.000418	<0.000418	<0.000418	<0.000418
trans-1,3-Dichloropropene	mg/L	*0.1*	*NIT*	<0.000419	<0.000419	<0.000419	<0.000419
2,2-Dichloropropane	mg/L	*NIT*	*NIT*	<0.000321	<0.000321	<0.000321	<0.000321
Di-Isopropyl Ether	mg/l	*NIT*	*NIT*	-	-	-	-
Ethylbenzene	mg/L	*0.077*	*0.35*	<0.000384	<0.000384	<0.000384	<0.000384
Hexachloro-1,3-butadiene	mg/L	*0.008*	*0.039*	<0.000256	<0.000256	<0.000256	<0.000256
n-Hexane	mg/L	*0.018*	*0.079*	<0.000736	<0.000736	<0.000736	<0.000736
Isopropylbenzene	mg/L	*2.42*	*3.7*	<0.000326	<0.000326	**0.00474**	**0.000787**
p-Isopropyltoluene	mg/L	*NIT*	*NIT*	<0.000350	<0.000350	<0.000350	<0.000350
2-Butanone (MEK)	mg/L	*4,300*	*18,950*	<0.00393	<0.00393	<0.00393	<0.00393
Methylene Chloride	mg/L	*8.1*	*35*	<0.00100	<0.00100	<0.00100	<0.00100
4-Methyl-2-pentanone (MIBK)	mg/L	*1,190*	*5,288*	<0.00214	<0.00214	<0.00214	<0.00214
Methyl tert-butyl ether (MTBE)	mg/L	*7.86*	*36*	<0.000367	<0.000367	<0.000367	<0.000367
Naphthalene	mg/L	*0.127*	*0.59*	<0.00100	<0.00100	<0.00100	<0.00100
n-Propylbenzene	mg/L	*5.9*	*26*	<0.000349	<0.000349	**0.00127**	**0.000483**
Styrene	mg/L	*22.2*	*93*	<0.000307	<0.000307	<0.000307	<0.000307
1,1,1,2-Tetrachloroethane	mg/L	*0.092*	*0.42*	<0.000385	<0.000385	<0.000385	<0.000385
1,1,2,2-Tetrachloroethane	mg/L	*0.075*	*0.34*	<0.000130	<0.000130	<0.000130	<0.000130
Tetrachloroethene (PCE)	mg/L	*0.122*	*1.1* [3]	<0.000372	<0.000372	<0.000372	<0.000372
Toluene	mg/L	*39.2*	*173*	<0.000412	<0.000412	<0.000412	<0.000412
1,2,3-Trichlorobenzene	mg/L	*NIT*	*NIT*	<0.000230	<0.000230	<0.000230	<0.000230
1,2,4-Trichlorobenzene	mg/L	*0.103*	*NIT*	<0.000355	<0.000355	<0.000355	<0.000355
1,1,1-Trichloroethane	mg/L	*0.0773*	*60*	**0.000569**	<0.000319	<0.000319	<0.000319
1,1,2-Trichloroethane	mg/L	*0.013*	*0.058*	<0.000383	<0.000383	<0.000383	<0.000383
Trichloroethene (TCE)	mg/L	*0.010*	*0.044* [3]	**0.0158**	<0.000398	**0.01**	<0.000398
Trichlorofluoromethane	mg/L	*NIT*	*NIT*	<0.00120	<0.00120	<0.00120	<0.00120
1,2,3-Trichloropropane	mg/L	*0.052*	*0.235*	<0.000807	<0.000807	<0.000807	<0.000807
1,2,4-Trimethylbenzene	mg/L	*0.626*	*2.8*	<0.000373	<0.000373	<0.000373	**0.00179**
1,3,5-Trimethylbenzene	mg/L	*0.439*	*NSV*	<0.000387	<0.000387	<0.000387	<0.000387
Vinyl chloride	mg/L	*0.002*	*0.074* [3]	<0.000259	<0.000259	<0.000259	<0.000259
Xylenes, Total	mg/L	*0.856*	*3.79*	<0.00106	<0.00106	<0.00106	<0.00106

Notes

1. µg/l = Micrograms per liter - parts per billion (ppb).
2. USEPA VISL Target Groundwater Concentration for Residential Use.
2. USEPA VISL Target Groundwater Concentration for Commercial Use.
5. Supplemental criteria from the Ohio VAP CIDARS.

Bold numbers indicate a concentration above laboratory reporting limits.

Bold and shaded numbers indicate a concentration above a comparison standard.

NE - No existing standard per the referenced agency

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Table 3C
Summary of VOCs in Sub-Slab Vapor, Soil Gas, and Ambient Air
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

Sample ID		***Ohio VAP Generic Indoor Air Standard with Applied Attenuation Factor***	**SV-02**	**SV-03**	**SV-04**	**SV-06 (Background)**
Collection Date			7/17/2019	11/1/2019	11/1/2019	11/1/2019
Parameter	**Units [1]**	***Indoor Air Standards - Residential Land Use [1]***	Value	Value	Value	Value
Acetone	µg/m³	*1,066,667*	**10.6**	**227**	**50.4**	**2.74**
Allyl Chloride	µg/m³	*33*	<0.626	<0.200	<0.200	<0.200
Benzene	µg/m³	*120*	**36**	**2.92**	<0.200	<0.200
Benzyl Chloride	µg/m³	*19*	<1.04	<0.200	<0.200	<0.200
Bromodichloromethane	µg/m³	*25*	<1.34	<0.200	<0.200	<0.200
Bromoform	µg/m³	*867*	<6.21	<0.600	<0.600	<0.600
Bromomethane	µg/m³	*173*	<0.776	<0.200	<0.200	<0.200
Carbon Disulfide	µg/m³	*24,333*	**59.3**	**35**	<0.200	<0.200
Carbon Tetrachloride	µg/m³	*160.0*	<1.26	<0.200	<0.200	<0.200
Chlorobenzene	µg/m³	*1,733*	<0.924	<0.200	<0.200	<0.200
Chloroethane	µg/m³	*333,333*	<0.528	<0.200	<0.200	<0.200
Chloroform	µg/m³	*41*	<0.973	<0.200	<0.200	<0.200
Chloromethane	µg/m³	*3,133*	**0.872**	<0.200	<0.200	**0.488**
Chlorodibromomethane	µg/m³	*NE*	<1.70	<0.200	<0.200	<0.200
1,2-Dibromoethane	µg/m³	*1.57*	<1.54	<0.200	<0.200	<0.200
1,2-Dichlorobenzene	µg/m³	*7,000*	<1.20	<0.200	<0.200	<0.200
1,3-Dichlorobenzene	µg/m³	*NE*	<1.20	<0.200	<0.200	<0.200
1,4-Dichlorobenzene	µg/m³	*86.7*	<1.20	<0.200	<0.200	<0.200
1,2-Dichloroethane	µg/m³	*36*	<0.810	<0.200	<0.200	<0.200
1,1-Dichloroethane	µg/m³	*600*	<0.802	<0.200	<0.200	<0.200
1,1-Dichloroethene	µg/m³	*7,000*	**2.94**	<0.200	<0.200	<0.200
Cis-1,2-Dichloroethene	µg/m³	*NE*	**19.4**	**2.07**	<0.200	<0.200
Trans-1,2-Dichloroethene	µg/m³	*NE*	<0.793	**1.98**	<0.200	<0.200
1,2-Dichloropropane	µg/m³	*140*	<0.924	<0.200	<0.200	<0.200
Cis-1,3-Dichloropropene	µg/m³	*NE*	<0.908	<0.200	<0.200	<0.200
Trans-1,3-Dichloropropene	µg/m³	*NE*	<0.908	<0.200	<0.200	<0.200
1,4-Dioxane	µg/m³	*186*	<0.721	<0.200	<0.200	<0.200
Ethanol	µg/m³	*NE*	<1.19	**7.2**	**6.57**	**4.35**
ETHYL ACETATE	µg/m³	*2,433*	-	-	-	-
Ethylbenzene	µg/m³	*366*	**6.9**	**0.481**	**0.316**	<0.200
Trichlorofluoromethane	µg/m³	*NE*	**67.6**	**0.382**	**8.68**	**0.237**
Dichlorodifluoromethane	µg/m³	*NE*	**2.48**	**0.494**	<0.200	**0.507**
Hexachloro-1,3-Butadiene	µg/m³	*43.3*	<6.73	<0.630	<0.630	<0.630
N-Hexane	µg/m³	*24,333*	**22,200**	**4.24**	**27.1**	<0.200
Isopropylbenzene	µg/m³	*14,000*	**1.97**	<0.200	<0.200	<0.200
Methylene Chloride	µg/m³	*21,000*	<0.694	**0.689**	<0.200	<0.200
Methyl Butyl Ketone	µg/m³	*NE*	<5.11	<1.25	<1.25	<1.25
2-Butanone (MEK)	µg/m³	*173,333*	<3.69	**5.93**	**2.53**	<1.25
4-Methyl-2-Pentanone (MIBK)	µg/m³	*103,333*	<5.12	<1.25	<1.25	<1.25
Methyl Methacrylate	µg/m³	*24,333*	<0.819	<0.200	<0.200	<0.200
Methyl Tert-Butyl Ether (MTBE)	µg/m³	*3,666*	<0.721	<0.200	<0.200	<0.200
Naphthalene	µg/m³	*28.0*	**3.4**	<0.630	<0.630	<0.630
Styrene	µg/m³	*33,333*	<0.851	<0.200	<0.200	<0.200
1,1,2,2-Tetrachloroethane	µg/m³	*16*	<1.37	<0.200	<0.200	<0.200
Tetrachloroethene	µg/m³	*1,400*	**160**	**7.95**	**6.58**	<0.200
Toluene	µg/m³	*173,333*	**34.5**	**3.27**	**1.58**	**0.312**
1,2,4-Trichlorobenzene	µg/m³	*70*	<4.66	<0.630	<0.630	<0.630
1,1,1-Trichloroethane	µg/m³	*173,333*	<1.09	**1.87**	<0.200	<0.200
1,1,2-Trichloroethane	µg/m³	*60*	<1.09	<0.200	<0.200	<0.200
Trichloroethene	µg/m³	*70*	**4,270**	**325**	**156**	<0.200
Vinyl Acetate	µg/m³	*7,000*	<0.704	<0.200	<0.200	<0.200
Vinyl Chloride	µg/m³	*56*	<0.511	<0.200	<0.200	<0.200
m&p-Xylene	µg/m³	*3,333*	**21.9**	**1.72**	**1.23**	<0.400
O-Xylene	µg/m³	*3,333*	**8.94**	**0.618**	**0.415**	<0.200
1,2,4-Trimethylbenzene	µg/m³	*2,100*	**16.5**	**2.08**	**1.89**	<0.200
1,3,5-Trimethylbenzene	µg/m³	*2,100*	**7.65**	<0.200	<0.200	<0.200

Notes

1. µg/m3 = micrograms per meter cubed.
2. Ohio VAP Generic Indoor Air Standards due to Vapor Intrusion (Commercia/Industrial Land Use)

NE: No regulatory limits established

Bold numbers indicate a concentration above laboratory RDLs.

Bold and shaded numbers indicate a concentration above a comparison standard.

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Table 4
Summary of TCLP Analysis in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID		***US EPA***	**SB-02A (10-12 FT)**	**F-3A (8-10 FT)**
Collection Date		***TCLP*** [2]	7/1/2024	7/1/2024
Analyte	**Units** [1]		Result*	Result*
Metals				
ARSENIC	mg/l	*5*	< 0.10	< 0.10
BARIUM	mg/l	*100*	**0.14**	**0.21**
CADMIUM	mg/l	*1*	< 0.10	< 0.10
CHROMIUM (as Chromium VI)	mg/l	*5*	< 0.10	< 0.10
LEAD	mg/l	*5*	< 0.10	< 0.10
SELENIUM	mg/l	*1*	< 0.10	< 0.10
SILVER	mg/l	*5*	< 0.10	< 0.10
MERCURY	mg/l	*0.2*	< 0.00050	< 0.00050
TCLP SVOCs				
1,4-Dichlorobenzene	mg/l	*8*	< 0.0100	< 0.0100
2,4,5-Trichlorophenol	mg/l	*400*	< 0.0100	< 0.0100
2,4,6-Trichlorophenol	mg/l	*2*	< 0.0100	< 0.0100
2,4-Dinitrotoluene	mg/l	*0.13*	< 0.0100	< 0.0100
Hexachlorobenzene	mg/l	*0.13*	< 0.0100	< 0.0100
Hexachlorobutadiene	mg/l	*0.5*	< 0.0100	< 0.0100
Hexachloroethane	mg/l	*3*	< 0.0100	< 0.0100
2-Methylphenol	mg/l	*200*	< 0.0100	< 0.0100
3 & 4 Methylphenol	mg/l	*200*	< 0.0100	< 0.0100
Nitrobenzene	mg/l	*200*	< 0.0100	< 0.0100
Pentachlorophenol	mg/l	*100*	< 0.0100	< 0.0100
Pyridine	mg/l	*5*	< 0.0100	< 0.0100
TCLP VOCs				
1,1-Dichloroethene	mg/l	*0.7*	< 0.10	< 0.10
1,2-Dichloroethane	mg/l	*0.5*	< 0.10	< 0.10
1,4-Dichlorobenzene	mg/l	*7.5*	< 0.10	< 0.10
2-Butanone (MEK)	mg/l	*200*	< 0.10	< 0.10
Benzene	mg/l	*0.5*	< 0.10	< 0.10
Carbon tetrachloride	mg/l	*0.5*	< 0.10	< 0.10
Chlorobenzene	mg/l	*100*	< 0.10	< 0.10
Tetrachloroethene	mg/l	*0.7*	< 0.10	**0.1**
Trichloroethene	mg/l	*0.5*	< 0.10	**4.6**
Vinyl chloride	mg/l	*0.2*	< 0.10	< 0.10
Chloroform	mg/l	*6*	< 0.10	< 0.10

Notes:

1. mg/kg = milligrams per kilogram (or ppm)

2. US EPA: Defining Hazardous Waste: 40 CFR Section 261.24

Bold numbers = concentration above detection limits.

Bold and shaded = concentration above a comparison standard.

Table 4
Summary of TCLP Analysis in Soil
Euclid-Woodlawn Redevelopment Site, East Cleveland, Cuyahoga County, Ohio

Sample ID		***US EPA***	**SB-02A (10-12 FT)**	**F-3A (8-10 FT)**
Collection Date		***TCLP*** [2]	7/1/2024	7/1/2024
Analyte	**Units** [1]		Result*	Result*
Metals				
ARSENIC	mg/l	*5*	< 0.10	< 0.10
BARIUM	mg/l	*100*	**0.14**	**0.21**
CADMIUM	mg/l	*1*	< 0.10	< 0.10
CHROMIUM (as Chromium VI)	mg/l	*5*	< 0.10	< 0.10
LEAD	mg/l	*5*	< 0.10	< 0.10
SELENIUM	mg/l	*1*	< 0.10	< 0.10
SILVER	mg/l	*5*	< 0.10	< 0.10
MERCURY	mg/l	*0.2*	< 0.00050	< 0.00050
TCLP SVOCs				
1,4-Dichlorobenzene	mg/l	*8*	< 0.0100	< 0.0100
2,4,5-Trichlorophenol	mg/l	*400*	< 0.0100	< 0.0100
2,4,6-Trichlorophenol	mg/l	*2*	< 0.0100	< 0.0100
2,4-Dinitrotoluene	mg/l	*0.13*	< 0.0100	< 0.0100
Hexachlorobenzene	mg/l	*0.13*	< 0.0100	< 0.0100
Hexachlorobutadiene	mg/l	*0.5*	< 0.0100	< 0.0100
Hexachloroethane	mg/l	*3*	< 0.0100	< 0.0100
2-Methylphenol	mg/l	*200*	< 0.0100	< 0.0100
3 & 4 Methylphenol	mg/l	*200*	< 0.0100	< 0.0100
Nitrobenzene	mg/l	*200*	< 0.0100	< 0.0100
Pentachlorophenol	mg/l	*100*	< 0.0100	< 0.0100
Pyridine	mg/l	*5*	< 0.0100	< 0.0100
TCLP VOCs				
1,1-Dichloroethene	mg/l	*0.7*	< 0.10	< 0.10
1,2-Dichloroethane	mg/l	*0.5*	< 0.10	< 0.10
1,4-Dichlorobenzene	mg/l	*7.5*	< 0.10	< 0.10
2-Butanone (MEK)	mg/l	*200*	< 0.10	< 0.10
Benzene	mg/l	*0.5*	< 0.10	< 0.10
Carbon tetrachloride	mg/l	*0.5*	< 0.10	< 0.10
Chlorobenzene	mg/l	*100*	< 0.10	< 0.10
Tetrachloroethene	mg/l	*0.7*	< 0.10	**0.1**
Trichloroethene	mg/l	*0.5*	< 0.10	**4.6**
Vinyl chloride	mg/l	*0.2*	< 0.10	< 0.10
Chloroform	mg/l	*6*	< 0.10	< 0.10

Notes:

1. mg/kg = milligrams per kilogram (or ppm)

2. US EPA: Defining Hazardous Waste: 40 CFR Section 261.24

Bold numbers = concentration above detection limits.

Bold and shaded = concentration above a comparison standard.

APPENDIX A
SOIL BORING AND MONITORING WELL LOGS

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SOIL BOREHOLE LOG

A-1

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	5.5 feet bgs.
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	**NA**	**71%**	**0.0**		Light gray clay FILL, minor gravel, no odors or staining	CL
2.0	**2-4'**	**NA**	**71%**	**0.0**		Light brown silty SAND, lean clay pockets, fine to medium sand, no odors or staining	SM
4.0	4-6'	NA	58%	0.0			
6.0	6-8'	NA	58%	0.0		Wet	
8.0	8-10'	NA	71%	0.0		Gray lean CLAY, soft, silty, wet, no odors or staining	CL
10.0	10-12'	NA	71%	0.0			
12.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

A-2

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.5 feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	69%	0.0		Light brownish gray lean clay FILL, minor gravel, no odors or staining	CL
2.0							
	2-4'	NA	69%	0.0			
4.0							
	4-6'	**NA**	**54%**	**0.0**			
6.0							
	6-8'	**NA**	**54%**	**0.0**			
8.0						Light brown silty SAND, fine to medium sand, no odors or staining	
	8-10'	NA	56%	0.0			SM
10.0						Wet	
	10-12'	NA	56%	0.0		Gray lean CLAY, wet, soft, trace sand, silty, no odors or staining	CL
12.0						Light brown silty SAND, fine to medium sand, no odors or staining	SM
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

A-3

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	None Encountered
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	75%	0.0		Brown lean clay FILL, minor gravel, no odors or staining	CL
4.0	2-4'	NA	75%	0.0			
6.0	**4-6'**	**NA**	**100%**	**3.1**		Brownish gray lean clay FILL, minor gravel, trace concrete rubble	
8.0	**6-8'**	**NA**	**100%**	**4.4**			
10.0	8-10'	NA	56%	0.3		Light brown silty SAND, fine to medium sand, 2" lean clay lense at 9.0 feet bgs	SM
12.0	10-12'	NA	56%	0.0			
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS
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PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

A-4

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	11.0 feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	71%	0.0		Brown lean clay FILL, minor gravel, hard, no odors or staining	CL
4.0	2-4'	NA	71%	0.0			
6.0	**4-6'**	**NA**	**100%**	**0.0**			
8.0	6-8'	NA	100%	0.0			
10.0	**8-10'**	**NA**	**73%**	**0.0**		Light brown silty SAND, fine to medium sand, moist, no odors or staining	SM
12.0	10-12'	NA	73%	0.0		Wet	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

A-5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	75%	0.0		Light brown lean clay FILL, minor gravel, hard	
2.0							
	2-4'	NA	75%	0.3			
4.0							CL
	4-6'	**NA**	**100%**	**2.4**		Light brown lean clay FILL, trace brick and concrete rubble	
6.0							
	6-8'	**NA**	**100%**	**3.6**			
8.0							
	8-10'	NA	85%	0.3			
10.0						Light brown silty SAND, fine to medium sand	
	10-12'	NA	85%	0.0		Wet	SM
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

B-1

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	11.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	52%	0.0		Light brown silty sand FILL, fine to medium sand, minor gravel, trace brick rubble	SM
4.0	2-4'	NA	52%	0.0			
6.0	**4-6'**	**NA**	**60%**	**0.0**		Light brown silty SAND, fine to medium sand, moist	SM
8.0	6-8'	NA	60%	0.0			
10.0	**8-10'**	**NA**	**69%**	**0.0**			
12.0	10-12'	NA	69%	0.0		Wet	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

B-2

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	56%	0.0		Brown lean clay FILL, minor gravel, trace brick rubble	CL
	2-4'	NA	56%	0.0		Brick rubble FILL	
4.0						Light brown silty sand FILL, moist, fine to medium sand	SM
6.0	**4-6'**	**NA**	**60%**	**0.0**			
8.0	**6-8'**	**NA**	**60%**	**0.0**			
10.0	8-10'	NA	85%	0.0		Wet	
12.0	10-12'	NA	85%	0.0		Light brown silty SAND, fine to medium sand, wet, 5" lean clay lense at 8.0 feet bgs	SM
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

B-3

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	10.0 feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	55%	0.5		Light gray lean clay FILL, minor gravel, trace brick and concrete rubble	
2.0							
	2-4'	**NA**	**55%**	**3.3**			
4.0							CL
	4-6'	**NA**	**52%**	**0.9**			
6.0							
	6-8'	NA	52%	0.0			
8.0						Gray lean CLAY, firm, black mottling, silty	CL
	8-10'	NA	85%	0.0		Light brown silty SAND, fine to medium sand	
10.0						Wet	SM
	10-12'	NA	85%	0.0			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

B-4

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	None encoutnered
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	83%	3.4		Light gray lean clay FILL, minor gravel, trace brick and concrete rubble, hydrocarbon odor and staining	CL
4.0	**2-4'**	**NA**	**83%**	**26.9**			
6.0	**4-6'**	**NA**	**100%**	**13.8**			
8.0	6-8'	NA	100%	9.3			
10.0	8-10'	NA	0%	NA		No recovery	
12.0	10-12'	NA	0%	NA			
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

B-5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	100%	0.0		Light brown lean clay FILL, minor gravel, trace brick and concrete rubble	CL
4.0	**2-4'**	**NA**	**100%**	**6.4**			
6.0	**4-6'**	**NA**	**100%**	**3.9**			
8.0	6-8'	NA	100%	3.3			
10.0	8-10'	NA	65%	0.0		Light brown silty SAND, fine to medium sand, moist Wet	SM
12.0	10-12'	NA	65%	0.0			
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

C-1

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	69%	0.0		Brown lean clay FILL, black mottling, minor gravel	CL
2.0						Light brown silty SAND, fine to medium sand, moist	
	2-4'	NA	69%	0.0			
4.0							SM
	4-6'	NA	56%	0.0			
6.0							
	6-8'	NA	56%	0.0			
8.0							
	8-10'	NA	100%	0.0		Wet	
10.0							
	10-12'	NA	100%	0.0			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

C-2

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	63%	0.0		Gray lean clay FILL, minor gravel, black mottling	CL
2.0						Light brown silty SAND, fine to medium sand, moist	
	2-4'	**NA**	**63%**	**0.0**			
4.0							
	4-6'	NA	65%	0.0			
6.0							SM
	6-8'	**NA**	**65%**	**0.0**			
8.0							
	8-10'	NA	100%	0.0		Wet	
10.0							
	10-12'	NA	100%	0.0			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

C-3

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	11.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	75%	0.0		Light gray lean clay FILL, minor gravel, trace concrete and brick rubble	CL
4.0	2-4'	NA	75%	0.0			
6.0	**4-6'**	**NA**	**54%**	**0.0**			
8.0	6-8'	NA	54%	0.0			
10.0	**8-10'**	**NA**	**60%**	**0.0**		Brown silty sand FILL, fine to medium sand, trace concrete rubble	SM
12.0	10-12'	NA	60%	0.0		Wet	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

C-4

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	11.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	90%	0.0		Gray lean clay FILL, tace concrete and brick rubble, much gravel	
2.0							
	2-4'	NA	90%	0.1			
4.0							CL
	4-6'	**NA**	**88%**	**1.9**			
6.0							
	6-8'	**NA**	**88%**	**1.3**			
8.0						Brown silty sand FILL, trace concrete rubble	SM
	8-10'	NA	65%	0.0		Brown silty SAND, fine to medium sand, moist	
10.0							SM
	10-12'	NA	65%	4.3		Wet	
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

C-5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/13/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	11.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	100%	0.0		Gray lean clay FILL, much gravel, trace brick and cocnrete rubble	
2.0							
	2-4'	NA	100%	0.0			
4.0							CL
	4-6'	NA	100%	0.0			
6.0							
	6-8'	**NA**	**100%**	**0.0**			
8.0							
	8-10'	**NA**	**64%**	**0.0**		Brown silty SAND, fine to medium sand, moist	
10.0							SM
	10-12'	NA	64%	0.0		Wet	
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

C.5-4.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	7.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	64%	0.0		Brown lean clay FILL, minor gravel, trace concrete rubble, slightly moist, hard	CL
4.0	**2-4'**	**NA**	**64%**	**0.0**		Light brown silty SAND, fine to medium sand, moist	SM
6.0	**4-6'**	**NA**	**50%**	**0.0**			
8.0	6-8'	NA	50%	0.0		Wet	
10.0	8-10'	NA	67%	0.0		Light brown silty SAND, fine to medium sand, wet, 5" silt lense at 9.0 feet bgs	
12.0	10-12'	NA	67%	0.0			
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

D-1

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	65%	0.0		Brown lean clay FILL, trace gravel, minor concrete rubble	CL
2.0						Light brown silty SAND, fine to medium sand, moist	
	2-4'	NA	65%	0.0			
4.0							
	4-6'	NA	52%	0.0			
6.0							SM
	6-8'	NA	52%	0.0			
8.0							
	8-10'	NA	40%	0.0		Wet	
10.0							
	10-12'	NA	40%	0.0			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

D-2

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
						Brown lean clay FILL, trace gravel	CL
	0-2'	NA	63%	0.0		Light brown lean CLAY, gray mottling, much sand	CL
2.0							
	2-4'	NA	63%	0.0			
4.0							
	4-6'	**NA**	**65%**	**75.9**		Gray silty SAND, fine to medium sand, lean clay pockets, hydrocarbon odor, moist	SM
6.0							
	6-8'	**NA**	**65%**	**4.1**		Brown silty SAND, slight hydrocarbon odor, fine to medium sand, very moist	SM
8.0						Wet	
	8-10'	NA	100%	1.3			
10.0							
	10-12'	NA	100%	1.2			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS
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SOIL BOREHOLE LOG

D-3

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	69%	0.0		Brown lean clay FILL, minor gravel	
						Concrete rubble	
2.0							CL
	2-4'	NA	69%	0.0		Brown lean clay FILL, moist, hard, gray mottling	
4.0							
	4-6'	**NA**	**71%**	**127.0**		Gray silty SAND, fine to medium sand, moist, hydrocarbon odor	
6.0							
	6-8'	**NA**	**71%**	**125.0**			
						Brown silty SAND, fine to medium, moist, slight hydrocarbon odor	SM
8.0							
	8-10'	NA	90%	5.7		Wet	
10.0							
	10-12'	NA	90%	38.7			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

D-4

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	56%	0.0		Brown lean clay FILL, trace gravel	CL
	2-4'	NA	56%	0.0		Brown silty sand FILL, trace brick rubble	SM
4.0						Light brown silty SAND, fine to medium sand, moist	SM
6.0	**4-6'**	**NA**	**75%**	**0.0**			
8.0	**6-8'**	**NA**	**75%**	**0.0**			
10.0	8-10'	NA	70%	0.0		Wet	
12.0	10-12'	NA	70%	0.0		Light gray silty SAND, fine to medium sand, wet	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

D-5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	**NA**	**65%**	**0.0**		Brown lean clay FILL, trace gravel	CL
2.0						Light brown silty SAND, fine to medium sand, moist	
	2-4'	**NA**	**65%**	**0.0**			
4.0							
	4-6'	NA	73%	0.0			
6.0							SM
	6-8'	NA	73%	0.0			
8.0							
	8-10'	NA	100%	0.0		Wet	
10.0							
	10-12'	NA	100%	0.0			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

D.5-2.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	56%	0.0		Brown lean clay FILL, much brick rubble, slightly moist	CL
2.0						Light brown silty SAND, fine to medium sand, moist	SM
	2-4'	**NA**	**56%**	**0.0**		Light brown lean CLAY, gray mottling, firm, moist	CL
4.0							
	4-6'	NA	65%	0.0		Light brown silty SAND, fine to medium sand, moist	SM
6.0							
	6-8'	**NA**	**65%**	**0.0**			
8.0						Wet	
	8-10'	NA	42%	0.0			
10.0							
	10-12'	NA	42%	2.4			
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

D.5-4.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	71%	0.0		Brown lean clay FILL, trace gravel and brick rubble	CL
2.0						Light brown silty SAND, fine to medium sand, moist	
	2-4'	**NA**	**71%**	**0.0**			
4.0							
	4-6'	**NA**	**83%**	**0.0**			
6.0							SM
	6-8'	NA	83%	0.0			
8.0							
	8-10'	NA	75%	0.0		Wet	
10.0							
	10-12'	NA	75%	1.8			
12.0						Gray silty SAND, trace gravel, slight hydrocarbon odor	SM
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

E-1

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	**0-2'**	**NA**	**56%**	**0.0**		Brown lean clay FILL, much concrete rubble, hard, trace brick rubble	CL
	2-4'	NA	56%	0.0			
4.0						Light brown silty SAND, fine to medium sand, moist	
6.0	**4-6'**	**NA**	**40%**	**0.0**			
	6-8'	NA	40%	0.0			SM
8.0						Wet	
10.0	8-10'	NA	71%	0.0			
	10-12'	NA	71%	0.0			
12.0						Gray weathered shale bedrock	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

E-2

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	58%	0.0		Brown lean clay FILL, trace gravel and cocnrete rubble	CL
	2-4'	**NA**	**58%**	**0.0**		Black silty sand FILL, medium to coarse sand	SM
4.0						Light brown silty SAND, fine to medium sand, moist	
6.0	4-6'	NA	65%	0.0			
8.0	**6-8'**	**NA**	**65%**	**0.0**			SM
10.0	8-10'	NA	81%	0.7		Wet	
12.0	10-12'	NA	81%	9.5			
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

E-3

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	79%	0.0		Brown lean clay FILL, trace gravel and brick rubble, firm, dry	CL
	2-4'	**NA**	**79%**	**0.0**			
4.0						Light brown lean CLAY, trace sand, firm, moist, gray mottling	CL
6.0	4-6'	NA	81%	0.0		Light brown silty SAND, lean clay pockets, moist	SM
8.0	**6-8'**	**NA**	**81%**	**0.0**			
10.0	8-10'	NA	88%	0.0		Wet	
12.0	10-12'	NA	88%	0.0			
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

E-4

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	11.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	71%	0.0		Brown lean clay FILL, trace gravel, brick, and concrete rubble	CL
4.0	2-4'	NA	71%	0.0		Light brown silty SAND, fine to medium sand, moist	SM
6.0	**4-6'**	**NA**	**71%**	**0.0**			
8.0	6-8'	NA	71%	0.0			
10.0	**8-10'**	**NA**	**67%**	**0.0**			
12.0	10-12'	NA	67%	1182.0		Dark gray silty SAND, medium to coarse sand, hydrocarbon odor	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

E-5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.5 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	67%	0.0		Brown lean clay FILL, trace gravel and brick rubble	CL
2.0						Light brown silty SAND, fine to medium sand, moist	
	2-4'	**NA**	**67%**	**0.0**			
4.0							
	4-6'	NA	60%	0.0			SM
6.0							
	6-8'	**NA**	**60%**	**0.0**			
8.0							
	8-10'	NA	69%	0.0			
10.0						Wet	
	10-12'	NA	69%	3.5		Gray silty SAND, medium to coarse sand, wet, hydrocarbon odor	SM
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

E.5-2.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	65%	0.0		Brown lean clay FILL, trace brick rubble	CL
2.0						Light brown silty SAND, fine to medium sand, moist	SM
	2-4'	**NA**	**65%**	**0.0**		Light brown lean CLAY, firm, moist, silty	CL
4.0							
	4-6'	NA	58%	0.0			
6.0						Light brown silty SAND, fine to medium sand, moist	SM
	6-8'	**NA**	**58%**	**0.0**			
8.0							
	8-10'	NA	60%	1.6			
10.0							
	10-12'	NA	60%	18.2			
12.0						Gray silty SAND, fine to coarse sand, trace gravel, slight hydrocarbon odor	SM
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

F-1

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/15/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	63%	0.0		Brown lean clay FILL, trace concrete rubble, much brick rubble	CL
4.0	**2-4'**	**NA**	**63%**	**0.0**		Brown silty sand FILL, trace concrete and brick rubble	SM
6.0	**4-6'**	**NA**	**56%**	**0.0**		Light brown silty SAND, fine to medium sand, moist	SM
8.0	6-8'	NA	56%	0.0			
10.0	8-10'	NA	90%	0.0		Wet	
12.0	10-12'	NA	90%	0.0		Gray silty SAND, fine to coarse snad, trace gravel	SM
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

F-2

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/15/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	56%	0.0		Brown lean clay FILL, trace gravel and ocncrete rubble	CL
2.0						Brown silty sand FILL, fine to coarse sand, minor concrete rubble	SM
	2-4'	NA	56%	0.0		Light brown silty SAND, fine to medium sand, moist	
4.0							
	4-6'	**NA**	**65%**	**0.0**			
6.0							SM
	6-8'	**NA**	**65%**	**0.0**			
8.0							
	8-10'	NA	88%	2.1		Wet	
10.0							
	10-12'	NA	88%	23.0			
12.0						Weathered gray shale bedrock	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

F-3

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/15/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	11.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	80%	0.0		Brown lean clay FILL, trace gravel and concrete rubble	CL
2.0	2-4'	NA	80%	0.0		Light brown silty SAND, fine to medium sand, moist, lean clay pockets, trace gravel	SM
4.0	4-6'	NA	73%	0.0			
6.0	**6-8'**	**NA**	**73%**	**0.0**			
8.0	**8-10'**	**NA**	**65%**	**8.8**			
10.0	10-12'	NA	65%	15.7		Wet	
12.0							
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

F-4

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/15/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	10.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	75%	0.0		Brown lean clay FILL, trace gravel, black mottling	CL
4.0	2-4'	NA	75%	0.0		Light brown lean CLAY, trace sand, silty, firm, moist	CL
6.0	4-6'	NA	81%	0.0		Light brown silty SAND, fine to medium sand, moist	SM
8.0	**6-8'**	**NA**	**81%**	**238.6**		Black silty SAND fine to coarse sand, hydrocarbon odor, moist	SM
10.0	**8-10'**	**NA**	**60%**	**5.5**		Light brownish gray silty SAND fine to coarse sand, very moist	SM
12.0	10-12'	NA	60%	2.2		Wet	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

F-5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	5/14/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	DT22	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.0 Feet bgs
Driller:	John Nida	Backfill Material:	Bentonite
Geologist:	Jeremy Kendle		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	67%	0.0		Brown lean clay FILL, trace concrete rubble, hard, dry	CL
	2-4'	NA	67%	0.0			
4.0						Light brown silty SAND, fine to medium sand, Moist	SM
6.0	**4-6'**	**NA**	**71%**	**0.0**			
8.0	**6-8'**	**NA**	**71%**	**0.0**			
10.0	8-10'	NA	63%	0.0		Wet	
12.0	10-12'	NA	63%	0.0		Gray weathered shale bedrock	
14.0						Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

G-1.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	70%	0.0		Brown SAND gravel brick FILL	SM
	2-4'	**NA**	**70%**	**0.0**		Concrete	
4.0						Moist black SAND	SM
6.0	**4-6'**	**NA**	**80%**	**7.3**		Brown grey firm CLAY	
8.0	6-8'	NA	80%	0.0			CL
	8-10'	NA	60%	0.4			
10.0						SAND gravel small -	SM
	10-12'	**NA**	**60%**	**2.4**		Very Firm CLAY Refusal at 11.0 ft	CL
12.0						Sampled at 14:40 Boring terminated at 11.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

G-2.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	90%	0.0		Brown SAND trace GRAVEL small to medium	SM
	2-4'	**NA**	**90%**	**399.4**			
4.0	**4-6'**	**NA**	**70%**	**88.6**		Black SAND fuel smell	SM
6.0	6-8'	NA	70%	65.3		Brown gray CLAY firm	CL
8.0	**8-10'**	**NA**	**85%**	**79.9**			
10.0	10-12'	NA	85%	77.4		Red SAND gravel brown	SM
12.0						Brown gray SANDY CLAY	SC
14.0						Sampled at 13:50 Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded. Duplicates from 2-4 ft and 4-6 ft	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

G-3.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
						6" FILL gravel small to medium brown	
2.0	0-2'	NA	90%	0.0		Brown SAND fine	SM
4.0	2-4'	NA	90%	0.0			
6.0	**4-6'**	**NA**	**80%**	**330.4**		Gray CLAY mixed with SAND moist	CL
8.0	**6-8'**	**NA**	**80%**	**3.4**		Firm brown CLAY gray	CL
10.0	**8-10'**	**NA**	**80%**	**0.4**		SANDY GRAVEL moist gray brown	SP
12.0	10-12'	NA	80%	0.0			
14.0						Sampled at 12:20 Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

H-1

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	10.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	60%	0.0		4 Feet FILL sand gravel brick concrete	
4.0	**2-4'**	**NA**	**60%**	**0.0**			
6.0	**4-6'**	**NA**	**50%**	**0.0**		Brown black SAND moist	
8.0	6-8'	NA	50%	0.0			SM
10.0	**8-10'**	**NA**	**50%**	**0.0**		SHALE Refusal at 10.0 ft	
12.0						Sampled at 15:45 Sample intervals selected for laboratory analysis are in **bold** and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

H-4

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
						6" FILL sand gravel brown small gravel	
	0-2'	NA	80%	11.5		Brown SAND	SM
2.0						Firm brown CLAY	CL
	2-4'	**NA**	**80%**	**389.5**			
4.0						Gray CLAY firm fuel smell dark gray black	CL
	4-6'	NA	90%	111.0			
6.0						Light gray brown firm CLAY	CL
	6-8'	**NA**	**90%**	**400.2**		Trace GRAVEL	
8.0							
	8-10'	NA	80%	200.1		Gray SAND moist small gravel	SM
10.0						Firm brown CLAY	CL
	10-12'	**NA**	**80%**	**985.3**		Gray SAND gravel	SP
12.0						Weathered SHALE	
14.0						Sampled at 11:45 Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

I-1.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	10.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	75%	0.0		Dark Brown Black SAND gravel	SM
	2-4'	NA	75%	0.0			
4.0						Brick Black Aspphualt	
	4-6'	**NA**	**100%**	**0.0**		Frim Brown gray CLAY	CL
6.0						Weathered SHALE	
8.0	**6-8'**	**NA**	**100%**	**13.0**			
10.0	**8-10'**	**NA**	**50%**	**12.5**		Refusal at 10.0 ft	
12.0						Sampled at 15:00 Boring terminated at 10.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

I-2.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	8.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	**NA**	**75%**	**76.2**		4 Feet FILL gravel brick concrete	
2.0							
	2-4'	NA	75%	0.2			
4.0							
	4-6'	NA	80%	0.0		SAND gravel moist small to meduim	SM
6.0							
	6-8'	**NA**	**80%**	**104.6**		Firm to very firm SHALE	
8.0						Refusal at 8.0 ft	
						Sampled at 13:20 Boring terminated at 8.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
10.0							
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

I-3.5

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	11.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	75%	0.0		2 Feet FILL sand gravel brick	
4.0	2-4'	NA	75%	0.0		Brown black SAND moist	SM
6.0	**4-6'**	**NA**	**80%**	**0.0**			
8.0	**6-8'**	**NA**	**80%**	**0.0**		SHALE _____ way	
10.0	8-10'	NA	100%	0.0			
12.0	10-12'	NA	100%	0.0		Refusal at 11.0 ft Sampled at 12:50 Boring terminated at 11.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

J-1.25

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	7/1/2024	Total Depth:	9.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	**NA**	**75%**	**0.0**		Brown black SAND brick gravel	
2.0							SM
	2-4'	NA	75%	0.0			
4.0							
						Brick	
	4-6'	**NA**	**100%**	**0.0**		Firm CLAY brown gray	CL
6.0							
	6-8'	**NA**	**100%**	**0.7**		Weathered Shale	
8.0							
	8-10'					Refusal at 9.0 ft	
10.0						Sampled at 15:25 Boring terminated at 9.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
12.0							
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

PMW-200

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	6/5/2024	Total Depth:	11.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite/Sand
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	70%	0.5		Brown SAND trace GRAVEL	SP
4.0	2-4'	NA	70%	0.6		Brown SILTY CLAY soft	CL
6.0	4-6'	NA	80%	1.0			
8.0	**6-8'**	**NA**	**80%**	**1.0**		Brown SAND fine to coarse moist	SM
10.0	8-10'	NA	80%	2.7		Wet Coarse SAND to SILTY SAND Refusal at 11 ft	SM
12.0	**10-12'**	**NA**	**50%**	**45.2**		Sampled at 13:55 Boring terminated at 12.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

PMW-201

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	6/5/2024	Total Depth:	11.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	NA	70%	0.3		8" GRAVEL	
2.0						Firm SILTY CLAY strong fuel odor brown	SC
	2-4'	NA	70%	0.3			
4.0							
	4-6'	NA	60%	0.5		Brown SANDY SILT moist	SM
6.0							
	6-8'	NA	60%	0.3			
8.0						Black	
	8-10'	NA	60%	0.7		Wet brown SILTY SAND no odor	SM
10.0							
	10-12'						
12.0						Sampled at 12:25 Boring terminated at 11.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

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SOIL BOREHOLE LOG

PMW-202

Client:	Ohio EPA DERR	Location:	Euclid-Woodlawn Redevelopment Site
Date Drilled:	6/5/2024	Total Depth:	12.0 Feet bgs
Drilling Method:	Geoprobe	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicabe
Driller:	John Clarke	Backfill Material:	Bentonite
Geologist:	Zachary Graham		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	NA	100%	3.6		Sand gravel brick FILL	
4.0	2-4'	NA	100%	4.2			
6.0	4-6'	NA	100%	5.2			
8.0	**6-8'**	**NA**	**100%**	**7.7**			
10.0	**8-10'**	**NA**	**100%**	**3.8**			
12.0	10-12'	NA	100%	0.6		Black brown moist SAND odor fuel smell	SM
14.0	12-14'	NA	100%	0.7		Brown Sand fine to coarse trace small pebbles	SP
16.0						Sampled at 10:35 Boring terminated at 14.0 ft below ground surface. Sample intervals selected for laboratory analysis are in **bold** and shaded.	
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

APPENDIX B
SAMPLING FORMS

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PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name: Euclid-Woodlawn Redevelopment Site	**Project Number: 2296.16**

Monitoring Well ID: MW-04	Date: 6/13/2024	Start Time: 1048	Field Personnel	J. Kendle
Weather Conditions: 78°, sunny		End Time: 1110		
Comments:				

INITIAL MEASUREMENTS

Measured Well Bottom (ft)	16.92	Well Casing Diameter :	-inches	
Measured Depth to Water (ft)	11.56	Conversion Factor (gal/lineal foot)		
Calculated Water Column (ft)	5.36	1.25” = 0.08	2” = 0.17	3” = 0.38
One Well Volume (gal) 0.91	Three Well Volumes (gal) 2.74	4” = 0.66	6” = 1.50	8” = 2.60

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

Pump set at 13.5 feet from TOC

PURGE INFORMATION

Purge Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1051	Initial	±200	20.53	6.14	1.24	274	4.00	72	11.73
1054	2	±200	16.41	6.23	1.23	242	3.74	78	11.89
1058	3	±200	15.90	6.31	1.22	146	3.63	81	12.04
1103	4	±200	15.54	6.34	1.21	46.5	4.02	84	12.17
1107	5	±200	15.08	6.37	1.18	16.2	8.73	81	12.42

SAMPLING INFORMATION

Sample Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Comments:

Sampled at 1110

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml VOA	2	8260	HCl	N

Sampler (Print Name)	Sampler’s Signature

PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name: Euclid-Woodlawn Redevelopment Site	**Project Number: 2296.16**

Monitoring Well ID: MW-05	Date: 6/13/2024	Start Time: 0905	Field Personnel	J. Kendle
Weather Conditions: 75°, Cloudy		End Time: 0950		
Comments:				

INITIAL MEASUREMENTS

Measured Well Bottom (ft)	15.85	Well Casing Diameter :	-inches		
Measured Depth to Water (ft)	10.37	Conversion Factor (gal/lineal foot)			
Calculated Water Column (ft)	5.48	1.25” = 0.08	2” = 0.17	3” = 0.38	
One Well Volume (gal) 0.93	Three Well Volumes (gal) 2.79	4” = 0.66	6” = 1.50	8” = 2.60	

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

Pump set at 13.5 feet from TOC

PURGE INFORMATION

Purge Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
907	Initial	±200	19.93	8.51	1.34	293	6.43	-43	10.48
914	2	±200	14.57	6.20	1.08	76.2	2.09	8	10.73
918	3	±200	14.05	6.14	1.04	28.0	1.54	8	10.92
923	4	±200	13.82	6.11	1.02	15.5	0.85	5	11.08
933	6	±200	13.64	6.23	1.04	8.4	0.44	-5	11.36
938	7	±200	13.62	6.27	1.04	8.6	0.42	-10	11.48
943	8	±200	13.75	6.24	1.06	8.8	0.47	-10	11.62

SAMPLING INFORMATION

Sample Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Comments:

Sampled at 0945

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml VOA	2	8260	HCl	N

Sampler (Print Name)	Sampler’s Signature

PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name: Euclid-Woodlawn Redevelopment Site	**Project Number: 2296.16**

Monitoring Well ID: MW-200	Date: 6/13/2024	Start Time: 1000	Field Personnel	J. Kendle
Weather Conditions: 75°, Cloudy		End Time: 1030		
Comments:				

INITIAL MEASUREMENTS

Measured Well Bottom (ft)	15.92		Well Casing Diameter :	-inches	
Measured Depth to Water (ft)	9.41		Conversion Factor (gal/lineal foot)		
Calculated Water Column (ft)	6.01		1.25” = 0.08	2” = 0.17	3” = 0.38
One Well Volume (gal) 1.02	Three Well Volumes (gal)	3.06	4” = 0.66	6” = 1.50	8” = 2.60

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

Pump set at 14.0 feet from TOC

PURGE INFORMATION

Purge Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1005	Initial	±200	17.06	6.41	1.10	390	3.53	35	9.38
1010	2	±200	15.01	5.89	1.10	395	2.90	67	9.53
1015	3	±200	14.95	5.86	1.08	268	6.94	75	9.69
1019	4	±200	15.00	5.85	1.08	205	8.70	78	9.82
1025	5	±200	15.38	5.82	1.07	86.3	8.08	82	9.96

SAMPLING INFORMATION

Sample Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Comments:

Sampled at 1030

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml VOA	2	8260	HCl	N

Sampler (Print Name)	Sampler’s Signature

PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name: Euclid-Woodlawn Redevelopment Site	**Project Number: 2296.16**

Monitoring Well ID: MW-201	Date: 6/13/2024	Start Time: 1412	Field Personnel	J. Kendle
Weather Conditions: 85°, Sunny		End Time: 1445		
Comments:				

INITIAL MEASUREMENTS

Measured Well Bottom (ft)	14.98		Well Casing Diameter :	-inches	
Measured Depth to Water (ft)	10.00		Conversion Factor (gal/lineal foot)		
Calculated Water Column (ft)	4.98		1.25” = 0.08	2” = 0.17	3” = 0.38
One Well Volume (gal) 0.52	Three Well Volumes (gal)	1.56	4” = 0.66	6” = 1.50	8” = 2.60

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

Pump set at 14.0 feet from TOC

PURGE INFORMATION

Purge Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1415	Initial	±200	23.75	7.83	0.786	591	4.57	109	10.11
1420	2	±200	18.99	6.47	0.650	224	3.63	137	10.39
1424	3	±200	18.63	6.39	0.635	152	4.82	141	10.54
253+	4	±200	17.94	6.31	0.623	95.9	8.10	141	10.79
1434	5	±200	17.46	6.23	0.620	48.0	7.92	144	11.04
1439	6	±200	17.14	6.20	0.619	34.2	8.29	144	11.09

SAMPLING INFORMATION

Sample Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Comments:

Sampled at 1445

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml VOA	2	8260	HCl	N

Sampler (Print Name)	Sampler’s Signature

PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name: Euclid-Woodlawn Redevelopment Site | **Project Number: 2296.16**

Monitoring Well ID: MW-202	Date: 6/13/2024	Start Time: 1225	Field Personnel	J. Kendle
Weather Conditions: 80°, Sunny		End Time: 1250		
Comments:				

INITIAL MEASUREMENTS

Measured Well Bottom (ft)	19.84	Well Casing Diameter :	-inches		
Measured Depth to Water (ft)	10.22	Conversion Factor (gal/lineal foot)			
Calculated Water Column (ft)	9.62	1.25” = 0.08	2” = 0.17	3” = 0.38	
One Well Volume (gal) 1.64	Three Well Volumes (gal) 4.91	4” = 0.66	6” = 1.50	8” = 2.60	

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

Pump set at 15.0 feet from TOC

PURGE INFORMATION

Purge Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1234	Initial	±200	20.88	6.39	3.67	709	2.14	57	10.34
1238	2	±200	18.79	6.68	3.61	337	1.29	-12	10.49
1242	3	±200	17.25	6.74	3.62	183	0.94	-24	10.68
1247	4	±200	17.00	6.75	3.60	108	4.65	-29	10.92
1252	5	±200	16.25	6.77	3.60	72.7	8.56	-30	11.05

SAMPLING INFORMATION

Sample Method	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Other:
	Teflon Bailer	Polyethylene Bailer	Bladder Pump	

Comments:

Sampled at 1255

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml VOA	2	8260	HCl	N

Sampler (Print Name)	Sampler’s Signature

APPENDIX C
LABORATORY ANALYTICAL REPORTS

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30-May-2024

Jeremy Kendle
Partners Environmental Consulting, Inc.
31100 Solon Rd.
Suite G
Solon, OH 44139

Re: **Euclid-Woodlawn Redevelopment; 2296-16** Work Order: **24050737**

Dear Jeremy,

ALS Environmental received 78 samples on 16-May-2024 12:45 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 210.

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

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 30-May-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16
Work Order: **24050737**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24050737-01	A-1 (0-2)	Soil		5/13/2024 09:30	5/16/2024 12:45	☐
24050737-02	A-1 (2-4)	Soil		5/13/2024 09:30	5/16/2024 12:45	☐
24050737-03	A-2 (4-6)	Soil		5/13/2024 09:50	5/16/2024 12:45	☐
24050737-04	A-2 (6-8)	Soil		5/13/2024 09:50	5/16/2024 12:45	☐
24050737-05	A-3 (4-6)	Soil		5/13/2024 10:10	5/16/2024 12:45	☐
24050737-06	A-3 (6-8)	Soil		5/13/2024 10:10	5/16/2024 12:45	☐
24050737-07	A-4 (4-6)	Soil		5/13/2024 10:30	5/16/2024 12:45	☐
24050737-08	A-4 (8-10)	Soil		5/13/2024 10:30	5/16/2024 12:45	☐
24050737-09	A-5 (4-6)	Soil		5/13/2024 11:05	5/16/2024 12:45	☐
24050737-10	A-5 (6-8)	Soil		5/13/2024 11:05	5/16/2024 12:45	☐
24050737-11	C-1 (2-4)	Soil		5/13/2024 13:45	5/16/2024 12:45	☐
24050737-12	C-1 (4-6)	Soil		5/13/2024 13:45	5/16/2024 12:45	☐
24050737-13	C-2 (2-4)	Soil		5/13/2024 14:05	5/16/2024 12:45	☐
24050737-14	C-2 (6-8)	Soil		5/13/2024 14:05	5/16/2024 12:45	☐
24050737-15	C-3 (4-6)	Soil		5/13/2024 14:30	5/16/2024 12:45	☐
24050737-16	C-3 (8-10)	Soil		5/13/2024 14:30	5/16/2024 12:45	☐
24050737-17	C-4 (4-6)	Soil		5/13/2024 14:05	5/16/2024 12:45	☐
24050737-18	C-4 (6-8)	Soil		5/13/2024 14:50	5/16/2024 12:45	☐
24050737-19	C-5 (6-8)	Soil		5/13/2024 15:10	5/16/2024 12:45	☐
24050737-20	C-5 (8-10)	Soil		5/13/2024 15:10	5/16/2024 12:45	☐
24050737-21	B-5 (2-4)	Soil		5/13/2024 11:20	5/16/2024 12:45	☐
24050737-22	B-5 (4-6)	Soil		5/13/2024 11:20	5/16/2024 12:45	☐
24050737-23	B-4 (2-4)	Soil		5/13/2024 11:55	5/16/2024 12:45	☐
24050737-24	B-4 (4-6)	Soil		5/13/2024 11:55	5/16/2024 12:45	☐
24050737-25	B-3 (2-4)	Soil		5/13/2024 12:50	5/16/2024 12:45	☐
24050737-26	B-3 (4-6)	Soil		5/13/2024 12:50	5/16/2024 12:45	☐
24050737-27	B-2 (4-6)	Soil		5/13/2024 13:10	5/16/2024 12:45	☐
24050737-28	B-2 (6-8)	Soil		5/13/2024 13:10	5/16/2024 12:45	☐
24050737-29	B-1 (4-6)	Soil		5/13/2024 13:30	5/16/2024 12:45	☐
24050737-30	B-1 (8-10)	Soil		5/13/2024 13:30	5/16/2024 12:45	☐
24050737-31	Trip Blank #1	Water		5/13/2024	5/16/2024 12:45	☐
24050737-32	C.5-4.5 (2-4)	Soil		5/14/2024 09:15	5/16/2024 12:45	☐
24050737-33	C.5-4.5 (4-6)	Soil		5/14/2024 09:15	5/16/2024 12:45	☐
24050737-34	D-5 (0-2)	Soil		5/14/2024 09:40	5/16/2024 12:45	☐
24050737-35	D-5 (2-4)	Soil		5/14/2024 09:40	5/16/2024 12:45	☐
24050737-36	D-4 (4-6)	Soil		5/14/2024 09:55	5/16/2024 12:45	☐
24050737-37	D-4 (6-8)	Soil		5/14/2024 09:55	5/16/2024 12:45	☐
24050737-38	D-3 (4-6)	Soil		5/14/2024 10:10	5/16/2024 12:45	☐
24050737-39	D-3 (6-8)	Soil		5/14/2024 10:10	5/16/2024 12:45	☐

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16
Work Order: **24050737**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24050737-40	D-2 (4-6)	Soil		5/14/2024 10:30	5/16/2024 12:45	☐
24050737-41	D-2 (6-8)	Soil		5/14/2024 10:30	5/16/2024 12:45	☐
24050737-42	D-1 (2-4)	Soil		5/14/2024 10:45	5/16/2024 12:45	☐
24050737-43	D-1 (4-6)	Soil		5/14/2024 10:45	5/16/2024 12:45	☐
24050737-44	E-1 (0-2)	Soil		5/14/2024 11:00	5/16/2024 12:45	☐
24050737-45	E-1 (4-6)	Soil		5/14/2024 11:00	5/16/2024 12:45	☐
24050737-46	E-2 (2-4)	Soil		5/14/2024 11:25	5/16/2024 12:45	☐
24050737-47	E-2 (6-8)	Soil		5/14/2024 11:25	5/16/2024 12:45	☐
24050737-48	D.5-2.5 (2-4)	Soil		5/14/2024 11:40	5/16/2024 12:45	☐
24050737-49	D.5-2.5 (6-8)	Soil		5/14/2024 11:40	5/16/2024 12:45	☐
24050737-50	E-3 (2-4)	Soil		5/14/2024 12:45	5/16/2024 12:45	☐
24050737-51	E-3 (6-8)	Soil		5/14/2024 12:45	5/16/2024 12:45	☐
24050737-52	E-4 (4-6)	Soil		5/14/2024 13:00	5/16/2024 12:45	☐
24050737-53	E-4 (8-10)	Soil		5/14/2024 13:00	5/16/2024 12:45	☐
24050737-54	E-5 (2-4)	Soil		5/14/2024 13:15	5/16/2024 12:45	☐
24050737-55	E-5 (6-8)	Soil		5/14/2024 13:15	5/16/2024 12:45	☐
24050737-56	D.5-4.5 (2-4)	Soil		5/14/2024 13:30	5/16/2024 12:45	☐
24050737-57	D.5-4.5 (4-6)	Soil		5/14/2024 13:30	5/16/2024 12:45	☐
24050737-58	F-5 (4-6)	Soil		5/14/2024 14:30	5/16/2024 12:45	☐
24050737-59	F-5 (6-8)	Soil		5/14/2024 14:30	5/16/2024 12:45	☐
24050737-60	DUP 1	Soil		5/14/2024	5/16/2024 12:45	☐
24050737-61	F-4 (6-8)	Soil		5/14/2024 14:50	5/16/2024 12:45	☐
24050737-62	F-4 (8-10)	Soil		5/14/2024 14:50	5/16/2024 12:45	☐
24050737-63	DUP 2	Soil		5/14/2024	5/16/2024 12:45	☐
24050737-64	Trip Blank #2	Water		5/14/2024	5/16/2024 12:45	☐
24050737-65	F-3 (8-10)	Soil		5/15/2024 09:20	5/16/2024 12:45	☐
24050737-66	F-3 (6-8)	Soil		5/15/2024 09:20	5/16/2024 12:45	☐
24050737-67	E.5-2.5- (2-4)	Soil		5/15/2024 09:40	5/16/2024 12:45	☐
24050737-68	E.5-2.5- (6-8)	Soil		5/15/2024 09:40	5/16/2024 12:45	☐
24050737-69	DUP 3	Soil		5/15/2024	5/16/2024 12:45	☐
24050737-70	F-2 (4-6)	Soil		5/15/2024 10:00	5/16/2024 12:45	☐
24050737-71	F-2 (6-8)	Soil		5/15/2024 10:00	5/16/2024 12:45	☐
24050737-72	DUP 4	Soil		5/15/2024	5/16/2024 12:45	☐
24050737-73	F-1 (2-4)	Soil		5/15/2024 10:20	5/16/2024 12:45	☐
24050737-74	F-1 (4-6)	Soil		5/15/2024 10:20	5/16/2024 12:45	☐
24050737-75	EQ Blank 1	Water		5/13/2024 10:00	5/16/2024 12:45	☐
24050737-76	EQ Blank 2	Water		5/14/2024 09:30	5/16/2024 12:45	☐
24050737-77	EQ Blank 3	Water		5/15/2024 11:00	5/16/2024 12:45	☐
24050737-78	Trip Blank #3	Water		5/14/2024	5/16/2024 12:45	☐

ALS Environmental

Date: 30-May-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16
Work Order: 24050737

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA-LAP accreditation.

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-1 (0-2) **Lab ID:** 24050737-01
Collection Date: 5/13/2024 09:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.4**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/21/2024 03:24 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Acetone	ND		0.049	mg/Kg-dry	1	5/21/2024 03:24 PM
Benzene	**0.0085**		**0.0049**	**mg/Kg-dry**	1	5/21/2024 03:24 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Carbon disulfide	**0.013**		**0.0049**	**mg/Kg-dry**	1	5/21/2024 03:24 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-1 (0-2) **Lab ID:** 24050737-01
Collection Date: 5/13/2024 09:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/21/2024 03:24 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Toluene	**0.0099**		**0.0049**	**mg/Kg-dry**	1	5/21/2024 03:24 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Trichloroethene	**0.018**		**0.0049**	**mg/Kg-dry**	1	5/21/2024 03:24 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/21/2024 03:24 PM
Xylenes, Total	ND		0.0099	mg/Kg-dry	1	5/21/2024 03:24 PM
Surr: 4-Bromofluorobenzene	*111*		*60-140*	*%REC*	1	5/21/2024 03:24 PM
Surr: Dibromofluoromethane	*108*		*60-140*	*%REC*	1	5/21/2024 03:24 PM
Surr: Toluene-d8	*94.8*		*60-140*	*%REC*	1	5/21/2024 03:24 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-1 (2-4) **Lab ID:** 24050737-02
Collection Date: 5/13/2024 09:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**6.0**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,1,1-Trichloroethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,1,2,2-Tetrachloroethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,1,2-Trichloroethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,1-Dichloroethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,1-Dichloroethene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,1-Dichloropropene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2,3-Trichlorobenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2,3-Trichloropropane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2,4-Trichlorobenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2,4-Trimethylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2-Dibromo-3-chloropropane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2-Dibromoethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2-Dichlorobenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2-Dichloroethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,2-Dichloropropane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,3,5-Trimethylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,3-Dichlorobenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,3-Dichloropropane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
1,4-Dichlorobenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
2,2-Dichloropropane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
2-Butanone	ND		0.038	mg/Kg-dry	1	5/21/2024 03:58 PM
2-Chlorotoluene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
2-Hexanone	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
4-Chlorotoluene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
4-Methyl-2-pentanone	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Acetone	ND		0.038	mg/Kg-dry	1	5/21/2024 03:58 PM
Benzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Bromobenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Bromochloromethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Bromodichloromethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Bromoform	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Bromomethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Carbon disulfide	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Carbon tetrachloride	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Chlorobenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-1 (2-4) **Lab ID:** 24050737-02
Collection Date: 5/13/2024 09:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Chloroform	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Chloromethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
cis-1,2-Dichloroethene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
cis-1,3-Dichloropropene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Dibromochloromethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Dibromomethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Dichlorodifluoromethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Ethylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Hexachlorobutadiene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Isopropylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
m,p-Xylene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Methyl tert-butyl ether	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Methylene chloride	ND		0.015	mg/Kg-dry	1	5/21/2024 03:58 PM
Naphthalene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
n-Butylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
n-Propylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
o-Xylene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
p-Isopropyltoluene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
sec-Butylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Styrene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
tert-Butylbenzene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Tetrachloroethene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Toluene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
trans-1,2-Dichloroethene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
trans-1,3-Dichloropropene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Trichloroethene	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Trichlorofluoromethane	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Vinyl chloride	ND		0.0038	mg/Kg-dry	1	5/21/2024 03:58 PM
Xylenes, Total	ND		0.0076	mg/Kg-dry	1	5/21/2024 03:58 PM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/21/2024 03:58 PM
Surr: Dibromofluoromethane	*130*		*60-140*	*%REC*	1	5/21/2024 03:58 PM
Surr: Toluene-d8	*111*		*60-140*	*%REC*	1	5/21/2024 03:58 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-2 (4-6) **Lab ID:** 24050737-03
Collection Date: 5/13/2024 09:50 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.2**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	5/21/2024 04:50 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Acetone	ND		0.052	mg/Kg-dry	1	5/21/2024 04:50 PM
Benzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Carbon disulfide	**0.013**		**0.0052**	**mg/Kg-dry**	1	5/21/2024 04:50 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-2 (4-6) **Lab ID:** 24050737-03
Collection Date: 5/13/2024 09:50 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/21/2024 04:50 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Styrene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Toluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	5/21/2024 04:50 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/21/2024 04:50 PM
Surr: 4-Bromofluorobenzene	*109*		*60-140*	*%REC*	1	5/21/2024 04:50 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/21/2024 04:50 PM
Surr: Toluene-d8	*97.9*		*60-140*	*%REC*	1	5/21/2024 04:50 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-2 (6-8) **Lab ID:** 24050737-04
Collection Date: 5/13/2024 09:50 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,1,1-Trichloroethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,1,2,2-Tetrachloroethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,1,2-Trichloroethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,1-Dichloroethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,1-Dichloroethene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,1-Dichloropropene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2,3-Trichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2,3-Trichloropropane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2,4-Trichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2,4-Trimethylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2-Dibromo-3-chloropropane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2-Dibromoethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2-Dichloroethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,2-Dichloropropane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,3,5-Trimethylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,3-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,3-Dichloropropane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
1,4-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
2,2-Dichloropropane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
2-Butanone	ND		0.043	mg/Kg-dry	1	5/21/2024 05:10 PM
2-Chlorotoluene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
2-Hexanone	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
4-Chlorotoluene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
4-Methyl-2-pentanone	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Acetone	ND		0.043	mg/Kg-dry	1	5/21/2024 05:10 PM
Benzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Bromobenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Bromochloromethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Bromodichloromethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Bromoform	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Bromomethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Carbon disulfide	**0.016**		**0.0043**	**mg/Kg-dry**	1	5/21/2024 05:10 PM
Carbon tetrachloride	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Chlorobenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-2 (6-8) **Lab ID:** 24050737-04
Collection Date: 5/13/2024 09:50 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Chloroform	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Chloromethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
cis-1,2-Dichloroethene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
cis-1,3-Dichloropropene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Dibromochloromethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Dibromomethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Dichlorodifluoromethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Ethylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Hexachlorobutadiene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Isopropylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
m,p-Xylene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Methyl tert-butyl ether	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/21/2024 05:10 PM
Naphthalene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
n-Butylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
n-Propylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
o-Xylene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
p-Isopropyltoluene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
sec-Butylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Styrene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
tert-Butylbenzene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Tetrachloroethene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Toluene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
trans-1,2-Dichloroethene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
trans-1,3-Dichloropropene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Trichloroethene	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Trichlorofluoromethane	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Vinyl chloride	ND		0.0043	mg/Kg-dry	1	5/21/2024 05:10 PM
Xylenes, Total	ND		0.0086	mg/Kg-dry	1	5/21/2024 05:10 PM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	5/21/2024 05:10 PM
Surr: Dibromofluoromethane	*102*		*60-140*	*%REC*	1	5/21/2024 05:10 PM
Surr: Toluene-d8	*99.3*		*60-140*	*%REC*	1	5/21/2024 05:10 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-3 (4-6) **Lab ID:** 24050737-05
Collection Date: 5/13/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,1,1-Trichloroethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,1,2,2-Tetrachloroethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,1,2-Trichloroethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,1-Dichloroethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,1-Dichloroethene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,1-Dichloropropene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2,3-Trichlorobenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2,3-Trichloropropane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2,4-Trichlorobenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2,4-Trimethylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2-Dibromo-3-chloropropane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2-Dibromoethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2-Dichlorobenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2-Dichloroethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,2-Dichloropropane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,3,5-Trimethylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,3-Dichlorobenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,3-Dichloropropane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
1,4-Dichlorobenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
2,2-Dichloropropane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
2-Butanone	ND		0.062	mg/Kg-dry	1	5/21/2024 05:31 PM
2-Chlorotoluene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
2-Hexanone	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
4-Chlorotoluene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
4-Methyl-2-pentanone	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Acetone	**0.12**		**0.062**	**mg/Kg-dry**	1	5/21/2024 05:31 PM
Benzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Bromobenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Bromochloromethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Bromodichloromethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Bromoform	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Bromomethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Carbon disulfide	**0.010**		**0.0062**	**mg/Kg-dry**	1	5/21/2024 05:31 PM
Carbon tetrachloride	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Chlorobenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-3 (4-6) **Lab ID:** 24050737-05
Collection Date: 5/13/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Chloroform	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Chloromethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
cis-1,2-Dichloroethene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
cis-1,3-Dichloropropene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Dibromochloromethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Dibromomethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Dichlorodifluoromethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Ethylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Hexachlorobutadiene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Isopropylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
m,p-Xylene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Methyl tert-butyl ether	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Methylene chloride	ND		0.025	mg/Kg-dry	1	5/21/2024 05:31 PM
Naphthalene	**0.013**		**0.0062**	**mg/Kg-dry**	1	5/21/2024 05:31 PM
n-Butylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
n-Propylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
o-Xylene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
p-Isopropyltoluene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
sec-Butylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Styrene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
tert-Butylbenzene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Tetrachloroethene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Toluene	**0.0093**		**0.0062**	**mg/Kg-dry**	1	5/21/2024 05:31 PM
trans-1,2-Dichloroethene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
trans-1,3-Dichloropropene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Trichloroethene	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Trichlorofluoromethane	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Vinyl chloride	ND		0.0062	mg/Kg-dry	1	5/21/2024 05:31 PM
Xylenes, Total	ND		0.012	mg/Kg-dry	1	5/21/2024 05:31 PM
Surr: 4-Bromofluorobenzene	*107*		*60-140*	*%REC*	1	5/21/2024 05:31 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	5/21/2024 05:31 PM
Surr: Toluene-d8	*97.8*		*60-140*	*%REC*	1	5/21/2024 05:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-3 (6-8) **Lab ID:** 24050737-06
Collection Date: 5/13/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.8**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/21/2024 05:51 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Acetone	**0.058**		**0.046**	**mg/Kg-dry**	1	5/21/2024 05:51 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-3 (6-8) **Lab ID:** 24050737-06
Collection Date: 5/13/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/21/2024 05:51 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/21/2024 05:51 PM
Xylenes, Total	ND		0.0091	mg/Kg-dry	1	5/21/2024 05:51 PM
Surr: 4-Bromofluorobenzene	*99.8*		*60-140*	*%REC*	1	5/21/2024 05:51 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/21/2024 05:51 PM
Surr: Toluene-d8	*98.3*		*60-140*	*%REC*	1	5/21/2024 05:51 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-4 (4-6) **Lab ID:** 24050737-07
Collection Date: 5/13/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**7.7**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/21/2024 06:11 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/21/2024 06:11 PM
Benzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Carbon disulfide	**0.012**		**0.0050**	**mg/Kg-dry**	1	5/21/2024 06:11 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-4 (4-6) **Lab ID:** 24050737-07
Collection Date: 5/13/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/21/2024 06:11 PM
Naphthalene	**0.0060**		**0.0050**	**mg/Kg-dry**	1	5/21/2024 06:11 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Toluene	**0.0052**		**0.0050**	**mg/Kg-dry**	1	5/21/2024 06:11 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/21/2024 06:11 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/21/2024 06:11 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	5/21/2024 06:11 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/21/2024 06:11 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/21/2024 06:11 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-4 (8-10) **Lab ID:** 24050737-08
Collection Date: 5/13/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.1**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,1,1-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,1,2,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,1,2-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,1-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,1-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,1-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2,3-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2,3-Trichloropropane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2,4-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2,4-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2-Dibromo-3-chloropropane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2-Dibromoethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,3,5-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,3-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,3-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
1,4-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
2,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
2-Butanone	ND		0.042	mg/Kg-dry	1	5/21/2024 06:32 PM
2-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
2-Hexanone	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
4-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
4-Methyl-2-pentanone	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Acetone	ND		0.042	mg/Kg-dry	1	5/21/2024 06:32 PM
Benzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Bromobenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Bromochloromethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Bromodichloromethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Bromoform	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Bromomethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Carbon disulfide	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Carbon tetrachloride	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Chlorobenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-4 (8-10) **Lab ID:** 24050737-08
Collection Date: 5/13/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Chloroform	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Chloromethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
cis-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
cis-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Dibromochloromethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Dibromomethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Dichlorodifluoromethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Ethylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Hexachlorobutadiene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Isopropylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
m,p-Xylene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Methyl tert-butyl ether	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/21/2024 06:32 PM
Naphthalene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
n-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
n-Propylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
o-Xylene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
p-Isopropyltoluene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
sec-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Styrene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
tert-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Tetrachloroethene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Toluene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
trans-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
trans-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Trichloroethene	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Trichlorofluoromethane	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Vinyl chloride	ND		0.0042	mg/Kg-dry	1	5/21/2024 06:32 PM
Xylenes, Total	ND		0.0084	mg/Kg-dry	1	5/21/2024 06:32 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	5/21/2024 06:32 PM
Surr: Dibromofluoromethane	*109*		*60-140*	*%REC*	1	5/21/2024 06:32 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/21/2024 06:32 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-5 (4-6) **Lab ID:** 24050737-09
Collection Date: 5/13/2024 11:05 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	5/21/2024 06:52 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Acetone	ND		0.052	mg/Kg-dry	1	5/21/2024 06:52 PM
Benzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Carbon disulfide	**0.011**		**0.0052**	**mg/Kg-dry**	1	5/21/2024 06:52 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-5 (4-6) **Lab ID:** 24050737-09
Collection Date: 5/13/2024 11:05 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/21/2024 06:52 PM
Naphthalene	**0.0084**		**0.0052**	**mg/Kg-dry**	1	5/21/2024 06:52 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Styrene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Toluene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	5/21/2024 06:52 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/21/2024 06:52 PM
Surr: 4-Bromofluorobenzene	*105*		*60-140*	*%REC*	1	5/21/2024 06:52 PM
Surr: Dibromofluoromethane	*104*		*60-140*	*%REC*	1	5/21/2024 06:52 PM
Surr: Toluene-d8	*97.8*		*60-140*	*%REC*	1	5/21/2024 06:52 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-5 (6-8) **Lab ID:** 24050737-10
Collection Date: 5/13/2024 11:05 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.9**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/21/24 15:37		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,1,1-Trichloroethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,1,2,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,1,2-Trichloroethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,1-Dichloroethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,1-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,1-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2,3-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2,3-Trichloropropane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2,4-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2,4-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2-Dibromo-3-chloropropane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2-Dibromoethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2-Dichloroethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,3,5-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,3-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,3-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
1,4-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
2,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
2-Butanone	ND		0.045	mg/Kg-dry	1	5/21/2024 07:12 PM
2-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
2-Hexanone	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
4-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
4-Methyl-2-pentanone	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Acetone	**0.056**		**0.045**	**mg/Kg-dry**	1	5/21/2024 07:12 PM
Benzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Bromobenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Bromochloromethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Bromodichloromethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Bromoform	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Bromomethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Carbon disulfide	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Carbon tetrachloride	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Chlorobenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: A-5 (6-8) **Lab ID:** 24050737-10
Collection Date: 5/13/2024 11:05 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Chloroform	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Chloromethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
cis-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
cis-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Dibromochloromethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Dibromomethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Dichlorodifluoromethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Ethylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Hexachlorobutadiene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Isopropylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
m,p-Xylene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Methyl tert-butyl ether	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/21/2024 07:12 PM
Naphthalene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
n-Butylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
n-Propylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
o-Xylene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
p-Isopropyltoluene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
sec-Butylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Styrene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
tert-Butylbenzene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Tetrachloroethene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Toluene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
trans-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
trans-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Trichloroethene	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Trichlorofluoromethane	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Vinyl chloride	ND		0.0045	mg/Kg-dry	1	5/21/2024 07:12 PM
Xylenes, Total	ND		0.0090	mg/Kg-dry	1	5/21/2024 07:12 PM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	5/21/2024 07:12 PM
Surr: Dibromofluoromethane	*104*		*60-140*	*%REC*	1	5/21/2024 07:12 PM
Surr: Toluene-d8	*98.6*		*60-140*	*%REC*	1	5/21/2024 07:12 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-1 (2-4) **Lab ID:** 24050737-11
Collection Date: 5/13/2024 01:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**6.5**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,1,1-Trichloroethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,1,2,2-Tetrachloroethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,1,2-Trichloroethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,1-Dichloroethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,1-Dichloroethene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,1-Dichloropropene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2,3-Trichlorobenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2,3-Trichloropropane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2,4-Trichlorobenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2,4-Trimethylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2-Dibromo-3-chloropropane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2-Dibromoethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2-Dichloroethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,2-Dichloropropane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,3,5-Trimethylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,3-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,3-Dichloropropane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
1,4-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
2,2-Dichloropropane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
2-Butanone	ND		0.039	mg/Kg-dry	1	5/22/2024 04:50 PM
2-Chlorotoluene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
2-Hexanone	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
4-Chlorotoluene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
4-Methyl-2-pentanone	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Acetone	ND		0.039	mg/Kg-dry	1	5/22/2024 04:50 PM
Benzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Bromobenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Bromochloromethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Bromodichloromethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Bromoform	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Bromomethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Carbon disulfide	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Carbon tetrachloride	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Chlorobenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-1 (2-4) **Lab ID:** 24050737-11
Collection Date: 5/13/2024 01:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Chloroform	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Chloromethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
cis-1,2-Dichloroethene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
cis-1,3-Dichloropropene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Dibromochloromethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Dibromomethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Dichlorodifluoromethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Ethylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Hexachlorobutadiene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Isopropylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
m,p-Xylene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Methyl tert-butyl ether	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Methylene chloride	ND		0.016	mg/Kg-dry	1	5/22/2024 04:50 PM
Naphthalene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
n-Butylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
n-Propylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
o-Xylene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
p-Isopropyltoluene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
sec-Butylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Styrene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
tert-Butylbenzene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Tetrachloroethene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Toluene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
trans-1,2-Dichloroethene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
trans-1,3-Dichloropropene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Trichloroethene	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Trichlorofluoromethane	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Vinyl chloride	ND		0.0039	mg/Kg-dry	1	5/22/2024 04:50 PM
Xylenes, Total	ND		0.0078	mg/Kg-dry	1	5/22/2024 04:50 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	5/22/2024 04:50 PM
Surr: Dibromofluoromethane	*106*		*60-140*	*%REC*	1	5/22/2024 04:50 PM
Surr: Toluene-d8	*103*		*60-140*	*%REC*	1	5/22/2024 04:50 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-1 (4-6) **Lab ID:** 24050737-12
Collection Date: 5/13/2024 01:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.0**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,1,1-Trichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,1,2,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,1,2-Trichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,1-Dichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,1-Dichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,1-Dichloropropene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2,3-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2,3-Trichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2,4-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2,4-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2-Dibromo-3-chloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2-Dibromoethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2-Dichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,3,5-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,3-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,3-Dichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
1,4-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
2,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
2-Butanone	ND		0.044	mg/Kg-dry	1	5/23/2024 10:57 AM
2-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
2-Hexanone	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
4-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
4-Methyl-2-pentanone	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Acetone	ND		0.044	mg/Kg-dry	1	5/23/2024 10:57 AM
Benzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Bromobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Bromochloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Bromodichloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Bromoform	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Bromomethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Carbon disulfide	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Carbon tetrachloride	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Chlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-1 (4-6) **Lab ID:** 24050737-12
Collection Date: 5/13/2024 01:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Chloroform	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Chloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
cis-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
cis-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Dibromochloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Dibromomethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Dichlorodifluoromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Ethylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Hexachlorobutadiene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Isopropylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
m,p-Xylene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Methyl tert-butyl ether	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/23/2024 10:57 AM
Naphthalene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
n-Butylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
n-Propylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
o-Xylene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
p-Isopropyltoluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
sec-Butylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Styrene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
tert-Butylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Tetrachloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Toluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
trans-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
trans-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Trichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Trichlorofluoromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Vinyl chloride	ND		0.0044	mg/Kg-dry	1	5/23/2024 10:57 AM
Xylenes, Total	ND		0.0087	mg/Kg-dry	1	5/23/2024 10:57 AM
Surr: 4-Bromofluorobenzene	*111*		*60-140*	*%REC*	1	5/23/2024 10:57 AM
Surr: Dibromofluoromethane	*92.2*		*60-140*	*%REC*	1	5/23/2024 10:57 AM
Surr: Toluene-d8	*104*		*60-140*	*%REC*	1	5/23/2024 10:57 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-2 (2-4) **Lab ID:** 24050737-13
Collection Date: 5/13/2024 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/23/2024 11:21 AM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Acetone	ND		0.046	mg/Kg-dry	1	5/23/2024 11:21 AM
Benzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-2 (2-4) **Lab ID:** 24050737-13
Collection Date: 5/13/2024 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/23/2024 11:21 AM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Styrene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Toluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/23/2024 11:21 AM
Xylenes, Total	ND		0.0091	mg/Kg-dry	1	5/23/2024 11:21 AM
Surr: 4-Bromofluorobenzene	*111*		*60-140*	*%REC*	1	5/23/2024 11:21 AM
Surr: Dibromofluoromethane	*96.5*		*60-140*	*%REC*	1	5/23/2024 11:21 AM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/23/2024 11:21 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-2 (6-8) **Lab ID:** 24050737-14
Collection Date: 5/13/2024 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,1,1-Trichloroethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,1,2,2-Tetrachloroethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,1,2-Trichloroethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,1-Dichloroethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,1-Dichloroethene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,1-Dichloropropene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2,3-Trichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2,3-Trichloropropane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2,4-Trichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2,4-Trimethylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2-Dibromo-3-chloropropane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2-Dibromoethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2-Dichloroethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,2-Dichloropropane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,3,5-Trimethylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,3-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,3-Dichloropropane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
1,4-Dichlorobenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
2,2-Dichloropropane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
2-Butanone	ND		0.043	mg/Kg-dry	1	5/23/2024 12:24 PM
2-Chlorotoluene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
2-Hexanone	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
4-Chlorotoluene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
4-Methyl-2-pentanone	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Acetone	ND		0.043	mg/Kg-dry	1	5/23/2024 12:24 PM
Benzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Bromobenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Bromochloromethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Bromodichloromethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Bromoform	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Bromomethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Carbon disulfide	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Carbon tetrachloride	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Chlorobenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-2 (6-8) **Lab ID:** 24050737-14
Collection Date: 5/13/2024 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Chloroform	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Chloromethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
cis-1,2-Dichloroethene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
cis-1,3-Dichloropropene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Dibromochloromethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Dibromomethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Dichlorodifluoromethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Ethylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Hexachlorobutadiene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Isopropylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
m,p-Xylene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Methyl tert-butyl ether	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/23/2024 12:24 PM
Naphthalene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
n-Butylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
n-Propylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
o-Xylene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
p-Isopropyltoluene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
sec-Butylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Styrene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
tert-Butylbenzene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Tetrachloroethene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Toluene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
trans-1,2-Dichloroethene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
trans-1,3-Dichloropropene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Trichloroethene	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Trichlorofluoromethane	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Vinyl chloride	ND		0.0043	mg/Kg-dry	1	5/23/2024 12:24 PM
Xylenes, Total	ND		0.0086	mg/Kg-dry	1	5/23/2024 12:24 PM
Surr: 4-Bromofluorobenzene	*110*		*60-140*	*%REC*	1	5/23/2024 12:24 PM
Surr: Dibromofluoromethane	*99.4*		*60-140*	*%REC*	1	5/23/2024 12:24 PM
Surr: Toluene-d8	*104*		*60-140*	*%REC*	1	5/23/2024 12:24 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-3 (4-6) **Lab ID:** 24050737-15
Collection Date: 5/13/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**6.7**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,1,1-Trichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,1,2,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,1,2-Trichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,1-Dichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,1-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,1-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2,3-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2,3-Trichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2,4-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2,4-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2-Dibromo-3-chloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2-Dibromoethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2-Dichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,3,5-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,3-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,3-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
1,4-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
2,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
2-Butanone	ND		0.055	mg/Kg-dry	1	5/23/2024 12:40 PM
2-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
2-Hexanone	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
4-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
4-Methyl-2-pentanone	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Acetone	ND		0.055	mg/Kg-dry	1	5/23/2024 12:40 PM
Benzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Bromobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Bromochloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Bromodichloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Bromoform	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Bromomethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Carbon disulfide	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Carbon tetrachloride	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Chlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-3 (4-6) **Lab ID:** 24050737-15
Collection Date: 5/13/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Chloroform	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Chloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
cis-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
cis-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Dibromochloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Dibromomethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Dichlorodifluoromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Ethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Hexachlorobutadiene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Isopropylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
m,p-Xylene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Methyl tert-butyl ether	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	5/23/2024 12:40 PM
Naphthalene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
n-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
n-Propylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
o-Xylene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
p-Isopropyltoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
sec-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Styrene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
tert-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Tetrachloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Toluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
trans-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
trans-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Trichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Trichlorofluoromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Vinyl chloride	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:40 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 12:40 PM
Surr: 4-Bromofluorobenzene	*114*		*60-140*	*%REC*	1	5/23/2024 12:40 PM
Surr: Dibromofluoromethane	*85.0*		*60-140*	*%REC*	1	5/23/2024 12:40 PM
Surr: Toluene-d8	*99.5*		*60-140*	*%REC*	1	5/23/2024 12:40 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-3 (8-10) **Lab ID:** 24050737-16
Collection Date: 5/13/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/23/2024 12:57 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Acetone	ND		0.049	mg/Kg-dry	1	5/23/2024 12:57 PM
Benzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-3 (8-10) **Lab ID:** 24050737-16
Collection Date: 5/13/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 12:57 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Toluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:57 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	5/23/2024 12:57 PM
Surr: 4-Bromofluorobenzene	*109*		*60-140*	*%REC*	1	5/23/2024 12:57 PM
Surr: Dibromofluoromethane	*94.0*		*60-140*	*%REC*	1	5/23/2024 12:57 PM
Surr: Toluene-d8	*103*		*60-140*	*%REC*	1	5/23/2024 12:57 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-4 (4-6) **Lab ID:** 24050737-17
Collection Date: 5/13/2024 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,1,1-Trichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,1,2,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,1,2-Trichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,1-Dichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,1-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,1-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2,3-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2,3-Trichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2,4-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2,4-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2-Dibromo-3-chloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2-Dibromoethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2-Dichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,3,5-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,3-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,3-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
1,4-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
2,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
2-Butanone	ND		0.055	mg/Kg-dry	1	5/23/2024 01:14 PM
2-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
2-Hexanone	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
4-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
4-Methyl-2-pentanone	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Acetone	ND		0.055	mg/Kg-dry	1	5/23/2024 01:14 PM
Benzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Bromobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Bromochloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Bromodichloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Bromoform	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Bromomethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Carbon disulfide	**0.0098**		**0.0055**	**mg/Kg-dry**	1	5/23/2024 01:14 PM
Carbon tetrachloride	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Chlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-4 (4-6) **Lab ID:** 24050737-17
Collection Date: 5/13/2024 02:05 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Chloroform	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Chloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
cis-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
cis-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Dibromochloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Dibromomethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Dichlorodifluoromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Ethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Hexachlorobutadiene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Isopropylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
m,p-Xylene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Methyl tert-butyl ether	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	5/23/2024 01:14 PM
Naphthalene	**0.0059**		**0.0055**	**mg/Kg-dry**	1	5/23/2024 01:14 PM
n-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
n-Propylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
o-Xylene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
p-Isopropyltoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
sec-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Styrene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
tert-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Tetrachloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Toluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
trans-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
trans-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Trichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Trichlorofluoromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Vinyl chloride	ND		0.0055	mg/Kg-dry	1	5/23/2024 01:14 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 01:14 PM
Surr: 4-Bromofluorobenzene	*113*		*60-140*	*%REC*	1	5/23/2024 01:14 PM
Surr: Dibromofluoromethane	*87.0*		*60-140*	*%REC*	1	5/23/2024 01:14 PM
Surr: Toluene-d8	*97.5*		*60-140*	*%REC*	1	5/23/2024 01:14 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-4 (6-8) **Lab ID:** 24050737-18
Collection Date: 5/13/2024 02:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	5/23/2024 01:31 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Acetone	**0.061**		**0.053**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
Benzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Carbon disulfide	**0.012**		**0.0053**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-4 (6-8) **Lab ID:** 24050737-18
Collection Date: 5/13/2024 02:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/23/2024 01:31 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Styrene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Toluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Trichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	5/23/2024 01:31 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 01:31 PM
Surr: 4-Bromofluorobenzene	*114*		*60-140*	*%REC*	1	5/23/2024 01:31 PM
Surr: Dibromofluoromethane	*86.6*		*60-140*	*%REC*	1	5/23/2024 01:31 PM
Surr: Toluene-d8	*98.1*		*60-140*	*%REC*	1	5/23/2024 01:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-5 (6-8) **Lab ID:** 24050737-19
Collection Date: 5/13/2024 03:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.0**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/23/2024 01:48 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Acetone	ND		0.049	mg/Kg-dry	1	5/23/2024 01:48 PM
Benzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Carbon disulfide	**0.0072**		**0.0049**	**mg/Kg-dry**	1	5/23/2024 01:48 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-5 (6-8) **Lab ID:** 24050737-19
Collection Date: 5/13/2024 03:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 01:48 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Toluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 01:48 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	5/23/2024 01:48 PM
Surr: 4-Bromofluorobenzene	*112*		*60-140*	*%REC*	1	5/23/2024 01:48 PM
Surr: Dibromofluoromethane	*87.2*		*60-140*	*%REC*	1	5/23/2024 01:48 PM
Surr: Toluene-d8	*98.0*		*60-140*	*%REC*	1	5/23/2024 01:48 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-5 (8-10) **Lab ID:** 24050737-20
Collection Date: 5/13/2024 03:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,1,1-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,1,2,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,1,2-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,1-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,1-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,1-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2,3-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2,3-Trichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2,4-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2,4-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2-Dibromo-3-chloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2-Dibromoethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,3,5-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,3-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,3-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
1,4-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
2,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
2-Butanone	ND		0.042	mg/Kg-dry	1	5/23/2024 02:05 PM
2-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
2-Hexanone	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
4-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
4-Methyl-2-pentanone	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Acetone	ND		0.042	mg/Kg-dry	1	5/23/2024 02:05 PM
Benzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Bromobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Bromochloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Bromodichloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Bromoform	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Bromomethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Carbon disulfide	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Carbon tetrachloride	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Chlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C-5 (8-10) **Lab ID:** 24050737-20
Collection Date: 5/13/2024 03:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Chloroform	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Chloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
cis-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
cis-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Dibromochloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Dibromomethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Dichlorodifluoromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Ethylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Hexachlorobutadiene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Isopropylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
m,p-Xylene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Methyl tert-butyl ether	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/23/2024 02:05 PM
Naphthalene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
n-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
n-Propylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
o-Xylene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
p-Isopropyltoluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
sec-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Styrene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
tert-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Tetrachloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Toluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
trans-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
trans-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Trichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Trichlorofluoromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Vinyl chloride	ND		0.0042	mg/Kg-dry	1	5/23/2024 02:05 PM
Xylenes, Total	ND		0.0085	mg/Kg-dry	1	5/23/2024 02:05 PM
Surr: 4-Bromofluorobenzene	*107*		*60-140*	*%REC*	1	5/23/2024 02:05 PM
Surr: Dibromofluoromethane	*95.6*		*60-140*	*%REC*	1	5/23/2024 02:05 PM
Surr: Toluene-d8	*104*		*60-140*	*%REC*	1	5/23/2024 02:05 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-5 (2-4) **Lab ID:** 24050737-21
Collection Date: 5/13/2024 11:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	5/23/2024 02:22 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Acetone	ND		0.052	mg/Kg-dry	1	5/23/2024 02:22 PM
Benzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Carbon disulfide	**0.0062**		**0.0052**	**mg/Kg-dry**	1	5/23/2024 02:22 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-5 (2-4) **Lab ID:** 24050737-21
Collection Date: 5/13/2024 11:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/23/2024 02:22 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Styrene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Toluene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	5/23/2024 02:22 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/23/2024 02:22 PM
Surr: 4-Bromofluorobenzene	*112*		*60-140*	*%REC*	1	5/23/2024 02:22 PM
Surr: Dibromofluoromethane	*87.6*		*60-140*	*%REC*	1	5/23/2024 02:22 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/23/2024 02:22 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-5 (4-6) **Lab ID:** 24050737-22
Collection Date: 5/13/2024 11:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.4**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	5/23/2024 02:40 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Acetone	ND		0.053	mg/Kg-dry	1	5/23/2024 02:40 PM
Benzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Carbon disulfide	**0.010**		**0.0053**	**mg/Kg-dry**	1	5/23/2024 02:40 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-5 (4-6) **Lab ID:** 24050737-22
Collection Date: 5/13/2024 11:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/23/2024 02:40 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Styrene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Toluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Trichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	5/23/2024 02:40 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 02:40 PM
Surr: 4-Bromofluorobenzene	*112*		*60-140*	*%REC*	1	5/23/2024 02:40 PM
Surr: Dibromofluoromethane	*85.2*		*60-140*	*%REC*	1	5/23/2024 02:40 PM
Surr: Toluene-d8	*97.9*		*60-140*	*%REC*	1	5/23/2024 02:40 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-4 (2-4) **Lab ID:** 24050737-23
Collection Date: 5/13/2024 11:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,1,1-Trichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,1,2,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,1,2-Trichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,1-Dichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,1-Dichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,1-Dichloropropene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2,3-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2,3-Trichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2,4-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2,4-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2-Dibromo-3-chloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2-Dibromoethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2-Dichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,3,5-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,3-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,3-Dichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
1,4-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
2,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
2-Butanone	ND		0.056	mg/Kg-dry	1	5/23/2024 03:11 PM
2-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
2-Hexanone	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
4-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
4-Methyl-2-pentanone	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Acetone	ND		0.056	mg/Kg-dry	1	5/23/2024 03:11 PM
Benzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Bromobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Bromochloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Bromodichloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Bromoform	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Bromomethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Carbon disulfide	**0.010**		**0.0056**	**mg/Kg-dry**	1	5/23/2024 03:11 PM
Carbon tetrachloride	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Chlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-4 (2-4) **Lab ID:** 24050737-23
Collection Date: 5/13/2024 11:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Chloroform	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Chloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
cis-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
cis-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Dibromochloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Dibromomethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Dichlorodifluoromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Ethylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Hexachlorobutadiene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Isopropylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
m,p-Xylene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Methyl tert-butyl ether	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	5/23/2024 03:11 PM
Naphthalene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
n-Butylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
n-Propylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
o-Xylene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
p-Isopropyltoluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
sec-Butylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Styrene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
tert-Butylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Tetrachloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Toluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
trans-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
trans-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Trichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Trichlorofluoromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Vinyl chloride	ND		0.0056	mg/Kg-dry	1	5/23/2024 03:11 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 03:11 PM
Surr: 4-Bromofluorobenzene	*111*		*60-140*	*%REC*	1	5/23/2024 03:11 PM
Surr: Dibromofluoromethane	*92.7*		*60-140*	*%REC*	1	5/23/2024 03:11 PM
Surr: Toluene-d8	*97.9*		*60-140*	*%REC*	1	5/23/2024 03:11 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-4 (4-6) **Lab ID:** 24050737-24
Collection Date: 5/13/2024 11:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,1,1-Trichloroethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,1,2,2-Tetrachloroethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,1,2-Trichloroethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,1-Dichloroethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,1-Dichloroethene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,1-Dichloropropene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2,3-Trichlorobenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2,3-Trichloropropane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2,4-Trichlorobenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2,4-Trimethylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2-Dibromo-3-chloropropane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2-Dibromoethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2-Dichlorobenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2-Dichloroethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,2-Dichloropropane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,3,5-Trimethylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,3-Dichlorobenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,3-Dichloropropane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
1,4-Dichlorobenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
2,2-Dichloropropane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
2-Butanone	ND		0.069	mg/Kg-dry	1	5/23/2024 03:28 PM
2-Chlorotoluene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
2-Hexanone	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
4-Chlorotoluene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
4-Methyl-2-pentanone	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Acetone	ND		0.069	mg/Kg-dry	1	5/23/2024 03:28 PM
Benzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Bromobenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Bromochloromethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Bromodichloromethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Bromoform	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Bromomethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Carbon disulfide	**0.011**		**0.0069**	**mg/Kg-dry**	1	5/23/2024 03:28 PM
Carbon tetrachloride	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Chlorobenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-4 (4-6) **Lab ID:** 24050737-24
Collection Date: 5/13/2024 11:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Chloroform	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Chloromethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
cis-1,2-Dichloroethene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
cis-1,3-Dichloropropene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Dibromochloromethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Dibromomethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Dichlorodifluoromethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Ethylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Hexachlorobutadiene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Isopropylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
m,p-Xylene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Methyl tert-butyl ether	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Methylene chloride	ND		0.027	mg/Kg-dry	1	5/23/2024 03:28 PM
Naphthalene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
n-Butylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
n-Propylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
o-Xylene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
p-Isopropyltoluene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
sec-Butylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Styrene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
tert-Butylbenzene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Tetrachloroethene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Toluene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
trans-1,2-Dichloroethene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
trans-1,3-Dichloropropene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Trichloroethene	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Trichlorofluoromethane	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Vinyl chloride	ND		0.0069	mg/Kg-dry	1	5/23/2024 03:28 PM
Xylenes, Total	ND		0.014	mg/Kg-dry	1	5/23/2024 03:28 PM
Surr: 4-Bromofluorobenzene	*113*		*60-140*	*%REC*	1	5/23/2024 03:28 PM
Surr: Dibromofluoromethane	*86.4*		*60-140*	*%REC*	1	5/23/2024 03:28 PM
Surr: Toluene-d8	*98.9*		*60-140*	*%REC*	1	5/23/2024 03:28 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-3 (2-4) **Lab ID:** 24050737-25
Collection Date: 5/13/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/23/2024 03:47 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Acetone	ND		0.046	mg/Kg-dry	1	5/23/2024 03:47 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Carbon disulfide	**0.015**		**0.0046**	**mg/Kg-dry**	1	5/23/2024 03:47 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-3 (2-4) **Lab ID:** 24050737-25
Collection Date: 5/13/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/23/2024 03:47 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/23/2024 03:47 PM
Xylenes, Total	ND		0.0092	mg/Kg-dry	1	5/23/2024 03:47 PM
Surr: 4-Bromofluorobenzene	*112*		*60-140*	*%REC*	1	5/23/2024 03:47 PM
Surr: Dibromofluoromethane	*88.2*		*60-140*	*%REC*	1	5/23/2024 03:47 PM
Surr: Toluene-d8	*98.5*		*60-140*	*%REC*	1	5/23/2024 03:47 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-3 (4-6) **Lab ID:** 24050737-26
Collection Date: 5/13/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2,3-Trichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2,4-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,3,5-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/23/2024 04:04 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Acetone	**0.062**		**0.047**	**mg/Kg-dry**	1	5/23/2024 04:04 PM
Benzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Carbon disulfide	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-3 (4-6) **Lab ID:** 24050737-26
Collection Date: 5/13/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Ethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Isopropylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
m,p-Xylene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/23/2024 04:04 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
n-Propylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
o-Xylene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
p-Isopropyltoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
sec-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Toluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Trichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 04:04 PM
Xylenes, Total	ND		0.0094	mg/Kg-dry	1	5/23/2024 04:04 PM
Surr: 4-Bromofluorobenzene	*114*		*60-140*	*%REC*	1	5/23/2024 04:04 PM
Surr: Dibromofluoromethane	*90.6*		*60-140*	*%REC*	1	5/23/2024 04:04 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/23/2024 04:04 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-2 (4-6) **Lab ID:** 24050737-27
Collection Date: 5/13/2024 01:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**7.8**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,1,1-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,1,2,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,1,2-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,1-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,1-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,1-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2,3-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2,3-Trichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2,4-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2,4-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2-Dibromo-3-chloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2-Dibromoethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,3,5-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,3-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,3-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
1,4-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
2,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
2-Butanone	ND		0.042	mg/Kg-dry	1	5/23/2024 04:29 PM
2-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
2-Hexanone	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
4-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
4-Methyl-2-pentanone	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Acetone	ND		0.042	mg/Kg-dry	1	5/23/2024 04:29 PM
Benzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Bromobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Bromochloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Bromodichloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Bromoform	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Bromomethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Carbon disulfide	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Carbon tetrachloride	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Chlorobenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-2 (4-6) **Lab ID:** 24050737-27
Collection Date: 5/13/2024 01:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Chloroform	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Chloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
cis-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
cis-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Dibromochloromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Dibromomethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Dichlorodifluoromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Ethylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Hexachlorobutadiene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Isopropylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
m,p-Xylene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Methyl tert-butyl ether	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/23/2024 04:29 PM
Naphthalene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
n-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
n-Propylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
o-Xylene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
p-Isopropyltoluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
sec-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Styrene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
tert-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Tetrachloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Toluene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
trans-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
trans-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Trichloroethene	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Trichlorofluoromethane	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Vinyl chloride	ND		0.0042	mg/Kg-dry	1	5/23/2024 04:29 PM
Xylenes, Total	ND		0.0084	mg/Kg-dry	1	5/23/2024 04:29 PM
Surr: 4-Bromofluorobenzene	*110*		*60-140*	*%REC*	1	5/23/2024 04:29 PM
Surr: Dibromofluoromethane	*98.6*		*60-140*	*%REC*	1	5/23/2024 04:29 PM
Surr: Toluene-d8	*102*		*60-140*	*%REC*	1	5/23/2024 04:29 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-2 (6-8) **Lab ID:** 24050737-28
Collection Date: 5/13/2024 01:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**7.6**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,1,1-Trichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,1,2,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,1,2-Trichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,1-Dichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,1-Dichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,1-Dichloropropene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2,3-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2,3-Trichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2,4-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2,4-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2-Dibromo-3-chloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2-Dibromoethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2-Dichloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,3,5-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,3-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,3-Dichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
1,4-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
2,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
2-Butanone	ND		0.044	mg/Kg-dry	1	5/23/2024 04:45 PM
2-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
2-Hexanone	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
4-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
4-Methyl-2-pentanone	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Acetone	ND		0.044	mg/Kg-dry	1	5/23/2024 04:45 PM
Benzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Bromobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Bromochloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Bromodichloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Bromoform	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Bromomethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Carbon disulfide	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Carbon tetrachloride	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Chlorobenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-2 (6-8) **Lab ID:** 24050737-28
Collection Date: 5/13/2024 01:10 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Chloroform	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Chloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
cis-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
cis-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Dibromochloromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Dibromomethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Dichlorodifluoromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Ethylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Hexachlorobutadiene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Isopropylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
m,p-Xylene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Methyl tert-butyl ether	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/23/2024 04:45 PM
Naphthalene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
n-Butylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
n-Propylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
o-Xylene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
p-Isopropyltoluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
sec-Butylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Styrene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
tert-Butylbenzene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Tetrachloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Toluene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
trans-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
trans-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Trichloroethene	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Trichlorofluoromethane	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Vinyl chloride	ND		0.0044	mg/Kg-dry	1	5/23/2024 04:45 PM
Xylenes, Total	ND		0.0087	mg/Kg-dry	1	5/23/2024 04:45 PM
Surr: 4-Bromofluorobenzene	*109*		*60-140*	*%REC*	1	5/23/2024 04:45 PM
Surr: Dibromofluoromethane	*99.9*		*60-140*	*%REC*	1	5/23/2024 04:45 PM
Surr: Toluene-d8	*102*		*60-140*	*%REC*	1	5/23/2024 04:45 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-1 (4-6) **Lab ID:** 24050737-29
Collection Date: 5/13/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/24/2024 08:25 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Acetone	**0.12**		**0.046**	**mg/Kg-dry**	1	5/24/2024 08:25 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-1 (4-6) **Lab ID:** 24050737-29
Collection Date: 5/13/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/24/2024 08:25 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Trichloroethene	**0.015**		**0.0046**	**mg/Kg-dry**	1	5/24/2024 08:25 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:25 PM
Xylenes, Total	ND		0.0093	mg/Kg-dry	1	5/24/2024 08:25 PM
Surr: 4-Bromofluorobenzene	*105*		*60-140*	*%REC*	1	5/24/2024 08:25 PM
Surr: Dibromofluoromethane	*111*		*60-140*	*%REC*	1	5/24/2024 08:25 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/24/2024 08:25 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-1 (8-10) **Lab ID:** 24050737-30
Collection Date: 5/13/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/22/24 13:15		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,1,1-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,1,2,2-Tetrachloroethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,1,2-Trichloroethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,1-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,1-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,1-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2,3-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2,3-Trichloropropane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2,4-Trichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2,4-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2-Dibromo-3-chloropropane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2-Dibromoethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2-Dichloroethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,3,5-Trimethylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,3-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,3-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
1,4-Dichlorobenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
2,2-Dichloropropane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
2-Butanone	ND		0.042	mg/Kg-dry	1	5/28/2024 11:51 AM
2-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
2-Hexanone	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
4-Chlorotoluene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
4-Methyl-2-pentanone	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Acetone	ND		0.042	mg/Kg-dry	1	5/28/2024 11:51 AM
Benzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Bromobenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Bromochloromethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Bromodichloromethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Bromoform	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Bromomethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Carbon disulfide	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Carbon tetrachloride	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Chlorobenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: B-1 (8-10) **Lab ID:** 24050737-30
Collection Date: 5/13/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Chloroform	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Chloromethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
cis-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
cis-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Dibromochloromethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Dibromomethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Dichlorodifluoromethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Ethylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Hexachlorobutadiene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Isopropylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
m,p-Xylene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Methyl tert-butyl ether	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/28/2024 11:51 AM
Naphthalene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
n-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
n-Propylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
o-Xylene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
p-Isopropyltoluene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
sec-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Styrene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
tert-Butylbenzene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Tetrachloroethene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Toluene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
trans-1,2-Dichloroethene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
trans-1,3-Dichloropropene	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Trichloroethene	**0.0063**		**0.0042**	**mg/Kg-dry**	1	5/28/2024 11:51 AM
Trichlorofluoromethane	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Vinyl chloride	ND		0.0042	mg/Kg-dry	1	5/28/2024 11:51 AM
Xylenes, Total	ND		0.0083	mg/Kg-dry	1	5/28/2024 11:51 AM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	5/28/2024 11:51 AM
Surr: Dibromofluoromethane	*107*		*60-140*	*%REC*	1	5/28/2024 11:51 AM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/28/2024 11:51 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: Trip Blank #1 **Lab ID:** 24050737-31
Collection Date: 5/13/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/22/2024 03:42 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/22/2024 03:42 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
2-Butanone	ND		50	µg/L	1	5/22/2024 03:42 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
2-Hexanone	ND		5.0	µg/L	1	5/22/2024 03:42 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Acetone	ND		50	µg/L	1	5/22/2024 03:42 PM
Benzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Bromobenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Bromochloromethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Bromoform	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Bromomethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Carbon disulfide	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Chlorobenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Chloroethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Chloroform	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Chloromethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: Trip Blank #1 **Lab ID:** 24050737-31
Collection Date: 5/13/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Dibromomethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Ethylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
m,p-Xylene	ND		10	µg/L	1	5/22/2024 03:42 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Methylene chloride	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Naphthalene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
o-Xylene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Styrene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Toluene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Trichloroethene	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/22/2024 03:42 PM
Vinyl chloride	ND		2.0	µg/L	1	5/22/2024 03:42 PM
Xylenes, Total	ND		15	µg/L	1	5/22/2024 03:42 PM
Surr: 4-Bromofluorobenzene	*111*		*61-131*	*%REC*	1	5/22/2024 03:42 PM
Surr: Dibromofluoromethane	*96.3*		*72-137*	*%REC*	1	5/22/2024 03:42 PM
Surr: Toluene-d8	*101*		*93.7-124*	*%REC*	1	5/22/2024 03:42 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C.5-4.5 (2-4) **Lab ID:** 24050737-32
Collection Date: 5/14/2024 09:15 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.9**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,1,1-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,1,2,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,1,2-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,1-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,1-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,1-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2,3-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2,3-Trichloropropane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2,4-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2,4-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2-Dibromo-3-chloropropane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2-Dibromoethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,3,5-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,3-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,3-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
1,4-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
2,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
2-Butanone	ND		0.051	mg/Kg-dry	1	5/23/2024 11:29 AM
2-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
2-Hexanone	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
4-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
4-Methyl-2-pentanone	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Acetone	ND		0.051	mg/Kg-dry	1	5/23/2024 11:29 AM
Benzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Bromobenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Bromochloromethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Bromodichloromethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Bromoform	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Bromomethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Carbon disulfide	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Carbon tetrachloride	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Chlorobenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C.5-4.5 (2-4) **Lab ID:** 24050737-32
Collection Date: 5/14/2024 09:15 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Chloroform	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Chloromethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
cis-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
cis-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Dibromochloromethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Dibromomethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Dichlorodifluoromethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Ethylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Hexachlorobutadiene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Isopropylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
m,p-Xylene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Methyl tert-butyl ether	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 11:29 AM
Naphthalene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
n-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
n-Propylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
o-Xylene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
p-Isopropyltoluene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
sec-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Styrene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
tert-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Tetrachloroethene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Toluene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
trans-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
trans-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Trichloroethene	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Trichlorofluoromethane	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Vinyl chloride	ND		0.0051	mg/Kg-dry	1	5/23/2024 11:29 AM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/23/2024 11:29 AM
Surr: 4-Bromofluorobenzene	*105*		*60-140*	*%REC*	1	5/23/2024 11:29 AM
Surr: Dibromofluoromethane	*108*		*60-140*	*%REC*	1	5/23/2024 11:29 AM
Surr: Toluene-d8	*99.1*		*60-140*	*%REC*	1	5/23/2024 11:29 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C.5-4.5 (4-6) **Lab ID:** 24050737-33
Collection Date: 5/14/2024 09:15 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,1,1-Trichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,1,2,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,1,2-Trichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,1-Dichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,1-Dichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,1-Dichloropropene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2,3-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2,3-Trichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2,4-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2,4-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2-Dibromo-3-chloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2-Dibromoethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2-Dichloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,3,5-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,3-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,3-Dichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
1,4-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
2,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
2-Butanone	ND		0.056	mg/Kg-dry	1	5/23/2024 11:50 AM
2-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
2-Hexanone	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
4-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
4-Methyl-2-pentanone	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Acetone	ND		0.056	mg/Kg-dry	1	5/23/2024 11:50 AM
Benzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Bromobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Bromochloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Bromodichloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Bromoform	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Bromomethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Carbon disulfide	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Carbon tetrachloride	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Chlorobenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: C.5-4.5 (4-6) **Lab ID:** 24050737-33
Collection Date: 5/14/2024 09:15 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Chloroform	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Chloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
cis-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
cis-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Dibromochloromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Dibromomethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Dichlorodifluoromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Ethylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Hexachlorobutadiene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Isopropylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
m,p-Xylene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Methyl tert-butyl ether	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Methylene chloride	ND		0.022	mg/Kg-dry	1	5/23/2024 11:50 AM
Naphthalene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
n-Butylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
n-Propylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
o-Xylene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
p-Isopropyltoluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
sec-Butylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Styrene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
tert-Butylbenzene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Tetrachloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Toluene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
trans-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
trans-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Trichloroethene	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Trichlorofluoromethane	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Vinyl chloride	ND		0.0056	mg/Kg-dry	1	5/23/2024 11:50 AM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 11:50 AM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/23/2024 11:50 AM
Surr: Dibromofluoromethane	*108*		*60-140*	*%REC*	1	5/23/2024 11:50 AM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/23/2024 11:50 AM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-5 (0-2) **Lab ID:** 24050737-34
Collection Date: 5/14/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**5.6**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/23/2024 12:10 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Acetone	**0.056**		**0.049**	**mg/Kg-dry**	1	5/23/2024 12:10 PM
Benzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Carbon disulfide	**0.0057**		**0.0049**	**mg/Kg-dry**	1	5/23/2024 12:10 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-5 (0-2) **Lab ID:** 24050737-34
Collection Date: 5/14/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 12:10 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Toluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 12:10 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	5/23/2024 12:10 PM
Surr: 4-Bromofluorobenzene	*107*		*60-140*	*%REC*	1	5/23/2024 12:10 PM
Surr: Dibromofluoromethane	*110*		*60-140*	*%REC*	1	5/23/2024 12:10 PM
Surr: Toluene-d8	*104*		*60-140*	*%REC*	1	5/23/2024 12:10 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-5 (2-4) **Lab ID:** 24050737-35
Collection Date: 5/14/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.7**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,1,1-Trichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,1,2,2-Tetrachloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,1,2-Trichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,1-Dichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,1-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,1-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2,3-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2,3-Trichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2,4-Trichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2,4-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2-Dibromo-3-chloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2-Dibromoethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2-Dichloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,3,5-Trimethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,3-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,3-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
1,4-Dichlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
2,2-Dichloropropane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
2-Butanone	ND		0.055	mg/Kg-dry	1	5/23/2024 12:30 PM
2-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
2-Hexanone	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
4-Chlorotoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
4-Methyl-2-pentanone	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Acetone	**0.063**		**0.055**	**mg/Kg-dry**	1	5/23/2024 12:30 PM
Benzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Bromobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Bromochloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Bromodichloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Bromoform	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Bromomethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Carbon disulfide	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Carbon tetrachloride	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Chlorobenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-5 (2-4) **Lab ID:** 24050737-35
Collection Date: 5/14/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Chloroform	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Chloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
cis-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
cis-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Dibromochloromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Dibromomethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Dichlorodifluoromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Ethylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Hexachlorobutadiene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Isopropylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
m,p-Xylene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Methyl tert-butyl ether	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	5/23/2024 12:30 PM
Naphthalene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
n-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
n-Propylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
o-Xylene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
p-Isopropyltoluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
sec-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Styrene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
tert-Butylbenzene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Tetrachloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Toluene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
trans-1,2-Dichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
trans-1,3-Dichloropropene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Trichloroethene	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Trichlorofluoromethane	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Vinyl chloride	ND		0.0055	mg/Kg-dry	1	5/23/2024 12:30 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 12:30 PM
Surr: 4-Bromofluorobenzene	*106*		*60-140*	*%REC*	1	5/23/2024 12:30 PM
Surr: Dibromofluoromethane	*112*		*60-140*	*%REC*	1	5/23/2024 12:30 PM
Surr: Toluene-d8	*103*		*60-140*	*%REC*	1	5/23/2024 12:30 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-4 (4-6) **Lab ID:** 24050737-36
Collection Date: 5/14/2024 09:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/23/2024 12:50 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/23/2024 12:50 PM
Benzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-4 (4-6) **Lab ID:** 24050737-36
Collection Date: 5/14/2024 09:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 12:50 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Toluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 12:50 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/23/2024 12:50 PM
Surr: 4-Bromofluorobenzene	*99.1*		*60-140*	*%REC*	1	5/23/2024 12:50 PM
Surr: Dibromofluoromethane	*112*		*60-140*	*%REC*	1	5/23/2024 12:50 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/23/2024 12:50 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-4 (6-8) **Lab ID:** 24050737-37
Collection Date: 5/14/2024 09:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,1,1-Trichloroethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,1,2,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,1,2-Trichloroethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,1-Dichloroethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,1-Dichloroethene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,1-Dichloropropene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2,3-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2,3-Trichloropropane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2,4-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2,4-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2-Dibromo-3-chloropropane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2-Dibromoethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2-Dichloroethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,3,5-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,3-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,3-Dichloropropane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
1,4-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
2,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
2-Butanone	ND		0.054	mg/Kg-dry	1	5/23/2024 01:10 PM
2-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
2-Hexanone	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
4-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
4-Methyl-2-pentanone	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Acetone	ND		0.054	mg/Kg-dry	1	5/23/2024 01:10 PM
Benzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Bromobenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Bromochloromethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Bromodichloromethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Bromoform	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Bromomethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Carbon disulfide	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Carbon tetrachloride	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Chlorobenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-4 (6-8) **Lab ID:** 24050737-37
Collection Date: 5/14/2024 09:55 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Chloroform	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Chloromethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
cis-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
cis-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Dibromochloromethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Dibromomethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Dichlorodifluoromethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Ethylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Hexachlorobutadiene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Isopropylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
m,p-Xylene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Methyl tert-butyl ether	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/23/2024 01:10 PM
Naphthalene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
n-Butylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
n-Propylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
o-Xylene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
p-Isopropyltoluene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
sec-Butylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Styrene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
tert-Butylbenzene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Tetrachloroethene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Toluene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
trans-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
trans-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Trichloroethene	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Trichlorofluoromethane	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Vinyl chloride	ND		0.0054	mg/Kg-dry	1	5/23/2024 01:10 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 01:10 PM
Surr: 4-Bromofluorobenzene	*100*		*60-140*	*%REC*	1	5/23/2024 01:10 PM
Surr: Dibromofluoromethane	*110*		*60-140*	*%REC*	1	5/23/2024 01:10 PM
Surr: Toluene-d8	*102*		*60-140*	*%REC*	1	5/23/2024 01:10 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-3 (4-6) **Lab ID:** 24050737-38
Collection Date: 5/14/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**7.2**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2,3-Trichloropropane	**0.016**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2,4-Trimethylbenzene	**2.1**		**0.47**	**mg/Kg-dry**	100	5/24/2024 07:19 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,3,5-Trimethylbenzene	**3.9**		**0.47**	**mg/Kg-dry**	100	5/24/2024 07:19 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/23/2024 01:31 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Acetone	ND		0.047	mg/Kg-dry	1	5/23/2024 01:31 PM
Benzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Carbon disulfide	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-3 (4-6) **Lab ID:** 24050737-38
Collection Date: 5/14/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Ethylbenzene	**0.054**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Isopropylbenzene	**0.11**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
m,p-Xylene	**0.031**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/23/2024 01:31 PM
Naphthalene	**0.11**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
n-Propylbenzene	**1.1**		**0.47**	**mg/Kg-dry**	100	5/24/2024 07:19 PM
o-Xylene	**0.038**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
p-Isopropyltoluene	**4.8**		**0.47**	**mg/Kg-dry**	100	5/24/2024 07:19 PM
sec-Butylbenzene	**1.8**		**0.47**	**mg/Kg-dry**	100	5/24/2024 07:19 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Toluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Trichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 01:31 PM
Xylenes, Total	**0.069**		**0.0094**	**mg/Kg-dry**	1	5/23/2024 01:31 PM
Surr: 4-Bromofluorobenzene	*322*	S	*60-140*	*%REC*	1	5/23/2024 01:31 PM
Surr: Dibromofluoromethane	*118*		*60-140*	*%REC*	1	5/23/2024 01:31 PM
Surr: Toluene-d8	*108*		*60-140*	*%REC*	1	5/23/2024 01:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-3 (6-8) **Lab ID:** 24050737-39
Collection Date: 5/14/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.2**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2,4-Trimethylbenzene	**2.7**		**0.50**	**mg/Kg-dry**	100	5/28/2024 05:01 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,3,5-Trimethylbenzene	**0.031**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 01:51 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/23/2024 01:51 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/23/2024 01:51 PM
Benzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-3 (6-8) **Lab ID:** 24050737-39
Collection Date: 5/14/2024 10:10 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Ethylbenzene	**0.010**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 01:51 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Isopropylbenzene	**0.021**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 01:51 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 01:51 PM
Naphthalene	**0.021**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 01:51 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
n-Propylbenzene	**0.065**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 01:51 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
p-Isopropyltoluene	**0.13**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 01:51 PM
sec-Butylbenzene	**0.14**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 01:51 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Toluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 01:51 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/23/2024 01:51 PM
Surr: 4-Bromofluorobenzene	*130*		*60-140*	*%REC*	1	5/23/2024 01:51 PM
Surr: Dibromofluoromethane	*106*		*60-140*	*%REC*	1	5/23/2024 01:51 PM
Surr: Toluene-d8	*110*		*60-140*	*%REC*	1	5/23/2024 01:51 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-2 (4-6) **Lab ID:** 24050737-40
Collection Date: 5/14/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/23/2024 02:12 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Acetone	ND		0.046	mg/Kg-dry	1	5/23/2024 02:12 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Carbon disulfide	**0.0075**		**0.0046**	**mg/Kg-dry**	1	5/23/2024 02:12 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-2 (4-6) **Lab ID:** 24050737-40
Collection Date: 5/14/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/23/2024 02:12 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
p-Isopropyltoluene	**0.0069**		**0.0046**	**mg/Kg-dry**	1	5/23/2024 02:12 PM
sec-Butylbenzene	**0.037**		**0.0046**	**mg/Kg-dry**	1	5/23/2024 02:12 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/23/2024 02:12 PM
Xylenes, Total	ND		0.0092	mg/Kg-dry	1	5/23/2024 02:12 PM
Surr: 4-Bromofluorobenzene	*222*	S	*60-140*	*%REC*	1	5/23/2024 02:12 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	5/23/2024 02:12 PM
Surr: Toluene-d8	*107*		*60-140*	*%REC*	1	5/23/2024 02:12 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-2 (6-8) **Lab ID:** 24050737-41
Collection Date: 5/14/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.9**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2,3-Trichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2,4-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,3,5-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/23/2024 02:32 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Acetone	ND		0.047	mg/Kg-dry	1	5/23/2024 02:32 PM
Benzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Carbon disulfide	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-2 (6-8) **Lab ID:** 24050737-41
Collection Date: 5/14/2024 10:30 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Ethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Isopropylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
m,p-Xylene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/23/2024 02:32 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
n-Propylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
o-Xylene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
p-Isopropyltoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
sec-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Toluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Trichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 02:32 PM
Xylenes, Total	ND		0.0094	mg/Kg-dry	1	5/23/2024 02:32 PM
Surr: 4-Bromofluorobenzene	*99.7*		*60-140*	*%REC*	1	5/23/2024 02:32 PM
Surr: Dibromofluoromethane	*99.9*		*60-140*	*%REC*	1	5/23/2024 02:32 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/23/2024 02:32 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-1 (2-4) **Lab ID:** 24050737-42
Collection Date: 5/14/2024 10:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/23/2024 02:52 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/23/2024 02:52 PM
Benzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-1 (2-4) **Lab ID:** 24050737-42
Collection Date: 5/14/2024 10:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 02:52 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Toluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 02:52 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/23/2024 02:52 PM
Surr: 4-Bromofluorobenzene	*97.9*		*60-140*	*%REC*	1	5/23/2024 02:52 PM
Surr: Dibromofluoromethane	*99.7*		*60-140*	*%REC*	1	5/23/2024 02:52 PM
Surr: Toluene-d8	*98.9*		*60-140*	*%REC*	1	5/23/2024 02:52 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-1 (4-6) **Lab ID:** 24050737-43
Collection Date: 5/14/2024 10:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,1,1-Trichloroethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,1,2,2-Tetrachloroethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,1,2-Trichloroethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,1-Dichloroethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,1-Dichloroethene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,1-Dichloropropene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2,3-Trichlorobenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2,3-Trichloropropane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2,4-Trichlorobenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2,4-Trimethylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2-Dibromo-3-chloropropane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2-Dibromoethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2-Dichlorobenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2-Dichloroethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,2-Dichloropropane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,3,5-Trimethylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,3-Dichlorobenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,3-Dichloropropane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
1,4-Dichlorobenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
2,2-Dichloropropane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
2-Butanone	ND		0.13	mg/Kg-dry	1	5/23/2024 03:13 PM
2-Chlorotoluene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
2-Hexanone	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
4-Chlorotoluene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
4-Methyl-2-pentanone	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Acetone	ND		0.13	mg/Kg-dry	1	5/23/2024 03:13 PM
Benzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Bromobenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Bromochloromethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Bromodichloromethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Bromoform	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Bromomethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Carbon disulfide	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Carbon tetrachloride	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Chlorobenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D-1 (4-6) **Lab ID:** 24050737-43
Collection Date: 5/14/2024 10:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Chloroform	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Chloromethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
cis-1,2-Dichloroethene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
cis-1,3-Dichloropropene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Dibromochloromethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Dibromomethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Dichlorodifluoromethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Ethylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Hexachlorobutadiene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Isopropylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
m,p-Xylene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Methyl tert-butyl ether	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Methylene chloride	ND		0.053	mg/Kg-dry	1	5/23/2024 03:13 PM
Naphthalene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
n-Butylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
n-Propylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
o-Xylene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
p-Isopropyltoluene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
sec-Butylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Styrene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
tert-Butylbenzene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Tetrachloroethene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Toluene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
trans-1,2-Dichloroethene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
trans-1,3-Dichloropropene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Trichloroethene	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Trichlorofluoromethane	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Vinyl chloride	ND		0.013	mg/Kg-dry	1	5/23/2024 03:13 PM
Xylenes, Total	ND		0.026	mg/Kg-dry	1	5/23/2024 03:13 PM
Surr: 4-Bromofluorobenzene	*98.9*		*60-140*	*%REC*	1	5/23/2024 03:13 PM
Surr: Dibromofluoromethane	*101*		*60-140*	*%REC*	1	5/23/2024 03:13 PM
Surr: Toluene-d8	*98.2*		*60-140*	*%REC*	1	5/23/2024 03:13 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-1 (0-2) **Lab ID:** 24050737-44
Collection Date: 5/14/2024 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.0**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2,3-Trichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2,4-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,3,5-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/23/2024 03:33 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Acetone	ND		0.047	mg/Kg-dry	1	5/23/2024 03:33 PM
Benzene	**0.0052**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 03:33 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Carbon disulfide	**0.0051**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 03:33 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-1 (0-2) **Lab ID:** 24050737-44
Collection Date: 5/14/2024 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Ethylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Isopropylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
m,p-Xylene	**0.0070**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 03:33 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/23/2024 03:33 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
n-Propylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
o-Xylene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
p-Isopropyltoluene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
sec-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Toluene	**0.0079**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 03:33 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Trichloroethene	**0.023**		**0.0047**	**mg/Kg-dry**	1	5/23/2024 03:33 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/23/2024 03:33 PM
Xylenes, Total	**0.010**		**0.0093**	**mg/Kg-dry**	1	5/23/2024 03:33 PM
Surr: 4-Bromofluorobenzene	*104*		*60-140*	*%REC*	1	5/23/2024 03:33 PM
Surr: Dibromofluoromethane	*93.9*		*60-140*	*%REC*	1	5/23/2024 03:33 PM
Surr: Toluene-d8	*94.3*		*60-140*	*%REC*	1	5/23/2024 03:33 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-1 (4-6) **Lab ID:** 24050737-45
Collection Date: 5/14/2024 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.5**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	5/23/2024 03:53 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Acetone	ND		0.053	mg/Kg-dry	1	5/23/2024 03:53 PM
Benzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Carbon disulfide	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-1 (4-6) **Lab ID:** 24050737-45
Collection Date: 5/14/2024 11:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/23/2024 03:53 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Styrene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Toluene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Trichloroethene	**0.0088**		**0.0053**	**mg/Kg-dry**	1	5/23/2024 03:53 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	5/23/2024 03:53 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/23/2024 03:53 PM
Surr: 4-Bromofluorobenzene	*99.4*		*60-140*	*%REC*	1	5/23/2024 03:53 PM
Surr: Dibromofluoromethane	*101*		*60-140*	*%REC*	1	5/23/2024 03:53 PM
Surr: Toluene-d8	*96.0*		*60-140*	*%REC*	1	5/23/2024 03:53 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-2 (2-4) **Lab ID:** 24050737-46
Collection Date: 5/14/2024 11:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.5**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/23/2024 04:14 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/23/2024 04:14 PM
Benzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-2 (2-4) **Lab ID:** 24050737-46
Collection Date: 5/14/2024 11:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 04:14 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Tetrachloroethene	**0.0083**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 04:14 PM
Toluene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Trichloroethene	**0.015**		**0.0050**	**mg/Kg-dry**	1	5/23/2024 04:14 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/23/2024 04:14 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/23/2024 04:14 PM
Surr: 4-Bromofluorobenzene	*104*		*60-140*	*%REC*	1	5/23/2024 04:14 PM
Surr: Dibromofluoromethane	*96.5*		*60-140*	*%REC*	1	5/23/2024 04:14 PM
Surr: Toluene-d8	*94.5*		*60-140*	*%REC*	1	5/23/2024 04:14 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-2 (6-8) **Lab ID:** 24050737-47
Collection Date: 5/14/2024 11:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/23/24 09:53		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/23/2024 04:34 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Acetone	ND		0.049	mg/Kg-dry	1	5/23/2024 04:34 PM
Benzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-2 (6-8) **Lab ID:** 24050737-47
Collection Date: 5/14/2024 11:25 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/23/2024 04:34 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Toluene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/23/2024 04:34 PM
Xylenes, Total	ND		0.0099	mg/Kg-dry	1	5/23/2024 04:34 PM
Surr: 4-Bromofluorobenzene	*98.1*		*60-140*	*%REC*	1	5/23/2024 04:34 PM
Surr: Dibromofluoromethane	*101*		*60-140*	*%REC*	1	5/23/2024 04:34 PM
Surr: Toluene-d8	*96.6*		*60-140*	*%REC*	1	5/23/2024 04:34 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-2.5 (2-4) **Lab ID:** 24050737-48
Collection Date: 5/14/2024 11:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,1,1-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,1,2,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,1,2-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,1-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,1-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,1-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2,3-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2,3-Trichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2,4-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2,4-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2-Dibromo-3-chloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2-Dibromoethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,3,5-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,3-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,3-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
1,4-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
2,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
2-Butanone	ND		0.051	mg/Kg-dry	1	5/28/2024 12:08 PM
2-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
2-Hexanone	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
4-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
4-Methyl-2-pentanone	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Acetone	**0.095**		**0.051**	**mg/Kg-dry**	1	5/28/2024 12:08 PM
Benzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Bromobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Bromochloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Bromodichloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Bromoform	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Bromomethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Carbon disulfide	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Carbon tetrachloride	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Chlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-2.5 (2-4) **Lab ID:** 24050737-48
Collection Date: 5/14/2024 11:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Chloroform	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Chloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
cis-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
cis-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Dibromochloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Dibromomethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Dichlorodifluoromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Ethylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Hexachlorobutadiene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Isopropylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
m,p-Xylene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Methyl tert-butyl ether	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/28/2024 12:08 PM
Naphthalene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
n-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
n-Propylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
o-Xylene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
p-Isopropyltoluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
sec-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Styrene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
tert-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Tetrachloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Toluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
trans-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
trans-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Trichloroethene	**0.014**		**0.0051**	**mg/Kg-dry**	1	5/28/2024 12:08 PM
Trichlorofluoromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Vinyl chloride	ND		0.0051	mg/Kg-dry	1	5/28/2024 12:08 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/28/2024 12:08 PM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/28/2024 12:08 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/28/2024 12:08 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/28/2024 12:08 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-2.5 (6-8) **Lab ID:** 24050737-49
Collection Date: 5/14/2024 11:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/28/2024 12:24 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Acetone	ND		0.046	mg/Kg-dry	1	5/28/2024 12:24 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-2.5 (6-8) **Lab ID:** 24050737-49
Collection Date: 5/14/2024 11:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/28/2024 12:24 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Trichloroethene	**0.0079**		**0.0046**	**mg/Kg-dry**	1	5/28/2024 12:24 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:24 PM
Xylenes, Total	ND		0.0093	mg/Kg-dry	1	5/28/2024 12:24 PM
Surr: 4-Bromofluorobenzene	*99.0*		*60-140*	*%REC*	1	5/28/2024 12:24 PM
Surr: Dibromofluoromethane	*109*		*60-140*	*%REC*	1	5/28/2024 12:24 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/28/2024 12:24 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-3 (2-4) **Lab ID:** 24050737-50
Collection Date: 5/14/2024 12:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**18**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/28/2024 12:41 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Acetone	**0.082**		**0.046**	**mg/Kg-dry**	1	5/28/2024 12:41 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-3 (2-4) **Lab ID:** 24050737-50
Collection Date: 5/14/2024 12:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/28/2024 12:41 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Trichloroethene	**0.010**		**0.0046**	**mg/Kg-dry**	1	5/28/2024 12:41 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/28/2024 12:41 PM
Xylenes, Total	ND		0.0092	mg/Kg-dry	1	5/28/2024 12:41 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	5/28/2024 12:41 PM
Surr: Dibromofluoromethane	*109*		*60-140*	*%REC*	1	5/28/2024 12:41 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/28/2024 12:41 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-3 (6-8) **Lab ID:** 24050737-51
Collection Date: 5/14/2024 12:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/28/2024 12:58 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Acetone	ND		0.049	mg/Kg-dry	1	5/28/2024 12:58 PM
Benzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-3 (6-8) **Lab ID:** 24050737-51
Collection Date: 5/14/2024 12:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/28/2024 12:58 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Toluene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/28/2024 12:58 PM
Xylenes, Total	ND		0.0099	mg/Kg-dry	1	5/28/2024 12:58 PM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/28/2024 12:58 PM
Surr: Dibromofluoromethane	*112*		*60-140*	*%REC*	1	5/28/2024 12:58 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/28/2024 12:58 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-4 (4-6) **Lab ID:** 24050737-52
Collection Date: 5/14/2024 01:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.2**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,1,1-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,1,2,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,1,2-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,1-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,1-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,1-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2,3-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2,3-Trichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2,4-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2,4-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2-Dibromo-3-chloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2-Dibromoethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,3,5-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,3-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,3-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
1,4-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
2,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
2-Butanone	ND		0.051	mg/Kg-dry	1	5/28/2024 01:15 PM
2-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
2-Hexanone	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
4-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
4-Methyl-2-pentanone	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Acetone	ND		0.051	mg/Kg-dry	1	5/28/2024 01:15 PM
Benzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Bromobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Bromochloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Bromodichloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Bromoform	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Bromomethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Carbon disulfide	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Carbon tetrachloride	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Chlorobenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-4 (4-6) **Lab ID:** 24050737-52
Collection Date: 5/14/2024 01:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Chloroform	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Chloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
cis-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
cis-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Dibromochloromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Dibromomethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Dichlorodifluoromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Ethylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Hexachlorobutadiene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Isopropylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
m,p-Xylene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Methyl tert-butyl ether	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/28/2024 01:15 PM
Naphthalene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
n-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
n-Propylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
o-Xylene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
p-Isopropyltoluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
sec-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Styrene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
tert-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Tetrachloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Toluene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
trans-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
trans-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Trichloroethene	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Trichlorofluoromethane	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Vinyl chloride	ND		0.0051	mg/Kg-dry	1	5/28/2024 01:15 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/28/2024 01:15 PM
Surr: 4-Bromofluorobenzene	*104*		*60-140*	*%REC*	1	5/28/2024 01:15 PM
Surr: Dibromofluoromethane	*107*		*60-140*	*%REC*	1	5/28/2024 01:15 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/28/2024 01:15 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-4 (8-10) **Lab ID:** 24050737-53
Collection Date: 5/14/2024 01:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/28/2024 01:32 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/28/2024 01:32 PM
Benzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Carbon disulfide	**0.022**		**0.0050**	**mg/Kg-dry**	1	5/28/2024 01:32 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-4 (8-10) **Lab ID:** 24050737-53
Collection Date: 5/14/2024 01:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Isopropylbenzene	**0.011**		**0.0050**	**mg/Kg-dry**	1	5/28/2024 01:32 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/28/2024 01:32 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
sec-Butylbenzene	**0.078**		**0.0050**	**mg/Kg-dry**	1	5/28/2024 01:32 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Toluene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/28/2024 01:32 PM
Xylenes, Total	ND		0.0099	mg/Kg-dry	1	5/28/2024 01:32 PM
Surr: 4-Bromofluorobenzene	*106*		*60-140*	*%REC*	1	5/28/2024 01:32 PM
Surr: Dibromofluoromethane	*104*		*60-140*	*%REC*	1	5/28/2024 01:32 PM
Surr: Toluene-d8	*98.7*		*60-140*	*%REC*	1	5/28/2024 01:32 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-5 (2-4) **Lab ID:** 24050737-54
Collection Date: 5/14/2024 01:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.8**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2,3-Trichloropropane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2,4-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,3,5-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/28/2024 01:49 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Acetone	ND		0.047	mg/Kg-dry	1	5/28/2024 01:49 PM
Benzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Carbon disulfide	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-5 (2-4) **Lab ID:** 24050737-54
Collection Date: 5/14/2024 01:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Ethylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Isopropylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
m,p-Xylene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/28/2024 01:49 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
n-Propylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
o-Xylene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
p-Isopropyltoluene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
sec-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Toluene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Trichloroethene	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/28/2024 01:49 PM
Xylenes, Total	ND		0.0094	mg/Kg-dry	1	5/28/2024 01:49 PM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/28/2024 01:49 PM
Surr: Dibromofluoromethane	*102*		*60-140*	*%REC*	1	5/28/2024 01:49 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/28/2024 01:49 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-5 (6-8) **Lab ID:** 24050737-55
Collection Date: 5/14/2024 01:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,1,1-Trichloroethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,1,2,2-Tetrachloroethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,1,2-Trichloroethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,1-Dichloroethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,1-Dichloroethene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,1-Dichloropropene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2,3-Trichlorobenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2,3-Trichloropropane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2,4-Trichlorobenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2,4-Trimethylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2-Dibromo-3-chloropropane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2-Dibromoethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2-Dichlorobenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2-Dichloroethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,2-Dichloropropane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,3,5-Trimethylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,3-Dichlorobenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,3-Dichloropropane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
1,4-Dichlorobenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
2,2-Dichloropropane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
2-Butanone	ND		0.048	mg/Kg-dry	1	5/28/2024 02:06 PM
2-Chlorotoluene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
2-Hexanone	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
4-Chlorotoluene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
4-Methyl-2-pentanone	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Acetone	**0.049**		**0.048**	**mg/Kg-dry**	1	5/28/2024 02:06 PM
Benzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Bromobenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Bromochloromethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Bromodichloromethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Bromoform	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Bromomethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Carbon disulfide	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Carbon tetrachloride	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Chlorobenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E-5 (6-8) **Lab ID:** 24050737-55
Collection Date: 5/14/2024 01:15 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Chloroform	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Chloromethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
cis-1,2-Dichloroethene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
cis-1,3-Dichloropropene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Dibromochloromethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Dibromomethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Dichlorodifluoromethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Ethylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Hexachlorobutadiene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Isopropylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
m,p-Xylene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Methyl tert-butyl ether	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/28/2024 02:06 PM
Naphthalene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
n-Butylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
n-Propylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
o-Xylene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
p-Isopropyltoluene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
sec-Butylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Styrene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
tert-Butylbenzene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Tetrachloroethene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Toluene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
trans-1,2-Dichloroethene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
trans-1,3-Dichloropropene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Trichloroethene	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Trichlorofluoromethane	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Vinyl chloride	ND		0.0048	mg/Kg-dry	1	5/28/2024 02:06 PM
Xylenes, Total	ND		0.0096	mg/Kg-dry	1	5/28/2024 02:06 PM
Surr: 4-Bromofluorobenzene	*100*		*60-140*	*%REC*	1	5/28/2024 02:06 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/28/2024 02:06 PM
Surr: Toluene-d8	*102*		*60-140*	*%REC*	1	5/28/2024 02:06 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-4.5 (2-4) **Lab ID:** 24050737-56
Collection Date: 5/14/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,1,1-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,1,2,2-Tetrachloroethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,1,2-Trichloroethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,1-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,1-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,1-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2,3-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2,3-Trichloropropane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2,4-Trichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2,4-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2-Dibromo-3-chloropropane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2-Dibromoethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2-Dichloroethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,3,5-Trimethylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,3-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,3-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
1,4-Dichlorobenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
2,2-Dichloropropane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
2-Butanone	ND		0.052	mg/Kg-dry	1	5/28/2024 02:23 PM
2-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
2-Hexanone	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
4-Chlorotoluene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
4-Methyl-2-pentanone	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Acetone	**0.062**		**0.052**	**mg/Kg-dry**	1	5/28/2024 02:23 PM
Benzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Bromobenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Bromochloromethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Bromodichloromethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Bromoform	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Bromomethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Carbon disulfide	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Carbon tetrachloride	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Chlorobenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-4.5 (2-4) **Lab ID:** 24050737-56
Collection Date: 5/14/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Chloroform	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Chloromethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
cis-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
cis-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Dibromochloromethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Dibromomethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Dichlorodifluoromethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Ethylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Hexachlorobutadiene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Isopropylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
m,p-Xylene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Methyl tert-butyl ether	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/28/2024 02:23 PM
Naphthalene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
n-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
n-Propylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
o-Xylene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
p-Isopropyltoluene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
sec-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Styrene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
tert-Butylbenzene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Tetrachloroethene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Toluene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
trans-1,2-Dichloroethene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
trans-1,3-Dichloropropene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Trichloroethene	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Trichlorofluoromethane	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Vinyl chloride	ND		0.0052	mg/Kg-dry	1	5/28/2024 02:23 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/28/2024 02:23 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	5/28/2024 02:23 PM
Surr: Dibromofluoromethane	*106*		*60-140*	*%REC*	1	5/28/2024 02:23 PM
Surr: Toluene-d8	*101*		*60-140*	*%REC*	1	5/28/2024 02:23 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-4.5 (4-6) **Lab ID:** 24050737-57
Collection Date: 5/14/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/28/2024 02:39 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Acetone	ND		0.046	mg/Kg-dry	1	5/28/2024 02:39 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: D.5-4.5 (4-6) **Lab ID:** 24050737-57
Collection Date: 5/14/2024 01:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/28/2024 02:39 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/28/2024 02:39 PM
Xylenes, Total	ND		0.0093	mg/Kg-dry	1	5/28/2024 02:39 PM
Surr: 4-Bromofluorobenzene	*104*		*60-140*	*%REC*	1	5/28/2024 02:39 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	5/28/2024 02:39 PM
Surr: Toluene-d8	*104*		*60-140*	*%REC*	1	5/28/2024 02:39 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-5 (4-6) **Lab ID:** 24050737-58
Collection Date: 5/14/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/24/2024 06:16 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Acetone	ND		0.046	mg/Kg-dry	1	5/24/2024 06:16 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-5 (4-6) **Lab ID:** 24050737-58
Collection Date: 5/14/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/24/2024 06:16 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 06:16 PM
Xylenes, Total	ND		0.0091	mg/Kg-dry	1	5/24/2024 06:16 PM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/24/2024 06:16 PM
Surr: Dibromofluoromethane	*109*		*60-140*	*%REC*	1	5/24/2024 06:16 PM
Surr: Toluene-d8	*99.9*		*60-140*	*%REC*	1	5/24/2024 06:16 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-5 (6-8) **Lab ID:** 24050737-59
Collection Date: 5/14/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/24/2024 06:31 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/24/2024 06:31 PM
Benzene	**0.0098**		**0.0050**	**mg/Kg-dry**	1	5/24/2024 06:31 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-5 (6-8) **Lab ID:** 24050737-59
Collection Date: 5/14/2024 02:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/24/2024 06:31 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Toluene	**0.0050**	J	**0.0050**	**mg/Kg-dry**	1	5/24/2024 06:31 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/24/2024 06:31 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/24/2024 06:31 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	5/24/2024 06:31 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/24/2024 06:31 PM
Surr: Toluene-d8	*102*		*60-140*	*%REC*	1	5/24/2024 06:31 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 1 **Lab ID:** 24050737-60
Collection Date: 5/14/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,1,1-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,1,2,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,1,2-Trichloroethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,1-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,1-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,1-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2,3-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2,3-Trichloropropane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2,4-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2,4-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2-Dibromo-3-chloropropane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2-Dibromoethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2-Dichloroethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,3,5-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,3-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,3-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
1,4-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
2,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
2-Butanone	ND		0.051	mg/Kg-dry	1	5/24/2024 06:47 PM
2-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
2-Hexanone	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
4-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
4-Methyl-2-pentanone	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Acetone	ND		0.051	mg/Kg-dry	1	5/24/2024 06:47 PM
Benzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Bromobenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Bromochloromethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Bromodichloromethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Bromoform	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Bromomethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Carbon disulfide	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Carbon tetrachloride	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Chlorobenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 1 **Lab ID:** 24050737-60
Collection Date: 5/14/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Chloroform	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Chloromethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
cis-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
cis-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Dibromochloromethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Dibromomethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Dichlorodifluoromethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Ethylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Hexachlorobutadiene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Isopropylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
m,p-Xylene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Methyl tert-butyl ether	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/24/2024 06:47 PM
Naphthalene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
n-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
n-Propylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
o-Xylene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
p-Isopropyltoluene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
sec-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Styrene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
tert-Butylbenzene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Tetrachloroethene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Toluene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
trans-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
trans-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Trichloroethene	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Trichlorofluoromethane	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Vinyl chloride	ND		0.0051	mg/Kg-dry	1	5/24/2024 06:47 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/24/2024 06:47 PM
Surr: 4-Bromofluorobenzene	*100*		*60-140*	*%REC*	1	5/24/2024 06:47 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/24/2024 06:47 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/24/2024 06:47 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-4 (6-8) **Lab ID:** 24050737-61
Collection Date: 5/14/2024 02:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,1,1-Trichloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,1,2,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,1,2-Trichloroethane	**0.022**		**0.0045**	**mg/Kg-dry**	1	5/24/2024 07:03 PM
1,1-Dichloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,1-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,1-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2,3-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2,3-Trichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2,4-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2,4-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2-Dibromo-3-chloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2-Dibromoethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2-Dichloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,3,5-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,3-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,3-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
1,4-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
2,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
2-Butanone	ND		0.045	mg/Kg-dry	1	5/24/2024 07:03 PM
2-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
2-Hexanone	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
4-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
4-Methyl-2-pentanone	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Acetone	ND		0.045	mg/Kg-dry	1	5/24/2024 07:03 PM
Benzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Bromobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Bromochloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Bromodichloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Bromoform	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Bromomethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Carbon disulfide	**0.013**		**0.0045**	**mg/Kg-dry**	1	5/24/2024 07:03 PM
Carbon tetrachloride	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Chlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-4 (6-8) **Lab ID:** 24050737-61
Collection Date: 5/14/2024 02:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Chloroform	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Chloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
cis-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
cis-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Dibromochloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Dibromomethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Dichlorodifluoromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Ethylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Hexachlorobutadiene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Isopropylbenzene	**0.0058**		**0.0045**	**mg/Kg-dry**	1	5/24/2024 07:03 PM
m,p-Xylene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Methyl tert-butyl ether	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/24/2024 07:03 PM
Naphthalene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
n-Butylbenzene	**0.049**		**0.0045**	**mg/Kg-dry**	1	5/24/2024 07:03 PM
n-Propylbenzene	**0.0058**		**0.0045**	**mg/Kg-dry**	1	5/24/2024 07:03 PM
o-Xylene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
p-Isopropyltoluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
sec-Butylbenzene	**0.078**		**0.0045**	**mg/Kg-dry**	1	5/24/2024 07:03 PM
Styrene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
tert-Butylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Tetrachloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Toluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
trans-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
trans-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Trichloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Trichlorofluoromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Vinyl chloride	ND		0.0045	mg/Kg-dry	1	5/24/2024 07:03 PM
Xylenes, Total	ND		0.0091	mg/Kg-dry	1	5/24/2024 07:03 PM
Surr: 4-Bromofluorobenzene	*171*	S	*60-140*	*%REC*	1	5/24/2024 07:03 PM
Surr: Dibromofluoromethane	*114*		*60-140*	*%REC*	1	5/24/2024 07:03 PM
Surr: Toluene-d8	*117*		*60-140*	*%REC*	1	5/24/2024 07:03 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-4 (8-10) **Lab ID:** 24050737-62
Collection Date: 5/14/2024 02:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2,3-Trichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2,4-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,3,5-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/24/2024 07:19 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Acetone	ND		0.047	mg/Kg-dry	1	5/24/2024 07:19 PM
Benzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Carbon disulfide	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-4 (8-10) **Lab ID:** 24050737-62
Collection Date: 5/14/2024 02:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Ethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Isopropylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
m,p-Xylene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/24/2024 07:19 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
n-Propylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
o-Xylene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
p-Isopropyltoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
sec-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Toluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Trichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/24/2024 07:19 PM
Xylenes, Total	ND		0.0093	mg/Kg-dry	1	5/24/2024 07:19 PM
Surr: 4-Bromofluorobenzene	*99.7*		*60-140*	*%REC*	1	5/24/2024 07:19 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/24/2024 07:19 PM
Surr: Toluene-d8	*103*		*60-140*	*%REC*	1	5/24/2024 07:19 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 2 **Lab ID:** 24050737-63
Collection Date: 5/14/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.5**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,1,1-Trichloroethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,1,2,2-Tetrachloroethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,1,2-Trichloroethane	**0.016**		**0.0041**	**mg/Kg-dry**	1	5/24/2024 07:35 PM
1,1-Dichloroethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,1-Dichloroethene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,1-Dichloropropene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2,3-Trichlorobenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2,3-Trichloropropane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2,4-Trichlorobenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2,4-Trimethylbenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2-Dibromo-3-chloropropane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2-Dibromoethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2-Dichlorobenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2-Dichloroethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,2-Dichloropropane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,3,5-Trimethylbenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,3-Dichlorobenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,3-Dichloropropane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
1,4-Dichlorobenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
2,2-Dichloropropane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
2-Butanone	ND		0.041	mg/Kg-dry	1	5/24/2024 07:35 PM
2-Chlorotoluene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
2-Hexanone	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
4-Chlorotoluene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
4-Methyl-2-pentanone	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Acetone	ND		0.041	mg/Kg-dry	1	5/24/2024 07:35 PM
Benzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Bromobenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Bromochloromethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Bromodichloromethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Bromoform	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Bromomethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Carbon disulfide	**0.0094**		**0.0041**	**mg/Kg-dry**	1	5/24/2024 07:35 PM
Carbon tetrachloride	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Chlorobenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 2 **Lab ID:** 24050737-63
Collection Date: 5/14/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Chloroform	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Chloromethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
cis-1,2-Dichloroethene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
cis-1,3-Dichloropropene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Dibromochloromethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Dibromomethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Dichlorodifluoromethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Ethylbenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Hexachlorobutadiene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Isopropylbenzene	**0.0050**		**0.0041**	**mg/Kg-dry**	1	5/24/2024 07:35 PM
m,p-Xylene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Methyl tert-butyl ether	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	5/24/2024 07:35 PM
Naphthalene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
n-Butylbenzene	**0.050**		**0.0041**	**mg/Kg-dry**	1	5/24/2024 07:35 PM
n-Propylbenzene	**0.0054**		**0.0041**	**mg/Kg-dry**	1	5/24/2024 07:35 PM
o-Xylene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
p-Isopropyltoluene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
sec-Butylbenzene	**0.073**		**0.0041**	**mg/Kg-dry**	1	5/24/2024 07:35 PM
Styrene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
tert-Butylbenzene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Tetrachloroethene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Toluene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
trans-1,2-Dichloroethene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
trans-1,3-Dichloropropene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Trichloroethene	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Trichlorofluoromethane	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Vinyl chloride	ND		0.0041	mg/Kg-dry	1	5/24/2024 07:35 PM
Xylenes, Total	ND		0.0083	mg/Kg-dry	1	5/24/2024 07:35 PM
Surr: 4-Bromofluorobenzene	*146*	S	*60-140*	*%REC*	1	5/24/2024 07:35 PM
Surr: Dibromofluoromethane	*111*		*60-140*	*%REC*	1	5/24/2024 07:35 PM
Surr: Toluene-d8	*116*		*60-140*	*%REC*	1	5/24/2024 07:35 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: Trip Blank #2 **Lab ID:** 24050737-64
Collection Date: 5/14/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/22/2024 04:03 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/22/2024 04:03 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
2-Butanone	ND		50	µg/L	1	5/22/2024 04:03 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
2-Hexanone	ND		5.0	µg/L	1	5/22/2024 04:03 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Acetone	ND		50	µg/L	1	5/22/2024 04:03 PM
Benzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Bromobenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Bromochloromethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Bromoform	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Bromomethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Carbon disulfide	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Chlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Chloroethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Chloroform	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Chloromethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: Trip Blank #2 **Lab ID:** 24050737-64
Collection Date: 5/14/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Dibromomethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Ethylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
m,p-Xylene	ND		10	µg/L	1	5/22/2024 04:03 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Methylene chloride	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Naphthalene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
o-Xylene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Styrene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Toluene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Trichloroethene	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/22/2024 04:03 PM
Vinyl chloride	ND		2.0	µg/L	1	5/22/2024 04:03 PM
Xylenes, Total	ND		15	µg/L	1	5/22/2024 04:03 PM
Surr: 4-Bromofluorobenzene	*107*		*61-131*	*%REC*	1	5/22/2024 04:03 PM
Surr: Dibromofluoromethane	*93.7*		*72-137*	*%REC*	1	5/22/2024 04:03 PM
Surr: Toluene-d8	*107*		*93.7-124*	*%REC*	1	5/22/2024 04:03 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-3 (8-10) **Lab ID:** 24050737-65
Collection Date: 5/15/2024 09:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**15**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/24/2024 07:51 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Acetone	ND		0.049	mg/Kg-dry	1	5/24/2024 07:51 PM
Benzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-3 (8-10) **Lab ID:** 24050737-65
Collection Date: 5/15/2024 09:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
cis-1,2-Dichloroethene	**0.0075**		**0.0049**	**mg/Kg-dry**	1	5/24/2024 07:51 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/24/2024 07:51 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Tetrachloroethene	**0.0061**		**0.0049**	**mg/Kg-dry**	1	5/24/2024 07:51 PM
Toluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Trichloroethene	**7.8**		**0.49**	**mg/Kg-dry**	100	5/28/2024 05:17 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/24/2024 07:51 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	5/24/2024 07:51 PM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/24/2024 07:51 PM
Surr: Dibromofluoromethane	*101*		*60-140*	*%REC*	1	5/24/2024 07:51 PM
Surr: Toluene-d8	*97.1*		*60-140*	*%REC*	1	5/24/2024 07:51 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-3 (6-8) **Lab ID:** 24050737-66
Collection Date: 5/15/2024 09:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	5/22/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2,3-Trichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2,4-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,3,5-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/24/2024 08:07 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Acetone	**0.049**		**0.047**	**mg/Kg-dry**	1	5/24/2024 08:07 PM
Benzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Carbon disulfide	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-3 (6-8) **Lab ID:** 24050737-66
Collection Date: 5/15/2024 09:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Ethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Isopropylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
m,p-Xylene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/24/2024 08:07 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
n-Propylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
o-Xylene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
p-Isopropyltoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
sec-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Toluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Trichloroethene	**0.092**		**0.0047**	**mg/Kg-dry**	1	5/24/2024 08:07 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:07 PM
Xylenes, Total	ND		0.0094	mg/Kg-dry	1	5/24/2024 08:07 PM
Surr: 4-Bromofluorobenzene	*100*		*60-140*	*%REC*	1	5/24/2024 08:07 PM
Surr: Dibromofluoromethane	*102*		*60-140*	*%REC*	1	5/24/2024 08:07 PM
Surr: Toluene-d8	*97.9*		*60-140*	*%REC*	1	5/24/2024 08:07 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E.5-2.5- (2-4) **Lab ID:** 24050737-67
Collection Date: 5/15/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/24/2024 08:23 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Acetone	**0.065**		**0.046**	**mg/Kg-dry**	1	5/24/2024 08:23 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E.5-2.5- (2-4) **Lab ID:** 24050737-67
Collection Date: 5/15/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/24/2024 08:23 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 08:23 PM
Xylenes, Total	ND		0.0093	mg/Kg-dry	1	5/24/2024 08:23 PM
Surr: 4-Bromofluorobenzene	*102*		*60-140*	*%REC*	1	5/24/2024 08:23 PM
Surr: Dibromofluoromethane	*104*		*60-140*	*%REC*	1	5/24/2024 08:23 PM
Surr: Toluene-d8	*99.7*		*60-140*	*%REC*	1	5/24/2024 08:23 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E.5-2.5- (6-8) **Lab ID:** 24050737-68
Collection Date: 5/15/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:06		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,1,1-Trichloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,1,2,2-Tetrachloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,1,2-Trichloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,1-Dichloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,1-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,1-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2,3-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2,3-Trichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2,4-Trichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2,4-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2-Dibromo-3-chloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2-Dibromoethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2-Dichloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,3,5-Trimethylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,3-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,3-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
1,4-Dichlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
2,2-Dichloropropane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
2-Butanone	ND		0.045	mg/Kg-dry	1	5/24/2024 08:39 PM
2-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
2-Hexanone	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
4-Chlorotoluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
4-Methyl-2-pentanone	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Acetone	ND		0.045	mg/Kg-dry	1	5/24/2024 08:39 PM
Benzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Bromobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Bromochloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Bromodichloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Bromoform	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Bromomethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Carbon disulfide	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Carbon tetrachloride	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Chlorobenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: E.5-2.5- (6-8) **Lab ID:** 24050737-68
Collection Date: 5/15/2024 09:40 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Chloroform	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Chloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
cis-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
cis-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Dibromochloromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Dibromomethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Dichlorodifluoromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Ethylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Hexachlorobutadiene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Isopropylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
m,p-Xylene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Methyl tert-butyl ether	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	5/24/2024 08:39 PM
Naphthalene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
n-Butylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
n-Propylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
o-Xylene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
p-Isopropyltoluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
sec-Butylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Styrene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
tert-Butylbenzene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Tetrachloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Toluene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
trans-1,2-Dichloroethene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
trans-1,3-Dichloropropene	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Trichloroethene	**0.0056**		**0.0045**	**mg/Kg-dry**	1	5/24/2024 08:39 PM
Trichlorofluoromethane	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Vinyl chloride	ND		0.0045	mg/Kg-dry	1	5/24/2024 08:39 PM
Xylenes, Total	ND		0.0091	mg/Kg-dry	1	5/24/2024 08:39 PM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	5/24/2024 08:39 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	5/24/2024 08:39 PM
Surr: Toluene-d8	*99.3*		*60-140*	*%REC*	1	5/24/2024 08:39 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 3 **Lab ID:** 24050737-69
Collection Date: 5/15/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:07		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,1,1-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,1,2,2-Tetrachloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,1,2-Trichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,1-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,1-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,1-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2,3-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2,3-Trichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2,4-Trichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2,4-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2-Dibromo-3-chloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2-Dibromoethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2-Dichloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,3,5-Trimethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,3-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,3-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
1,4-Dichlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
2,2-Dichloropropane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
2-Butanone	ND		0.047	mg/Kg-dry	1	5/24/2024 08:55 PM
2-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
2-Hexanone	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
4-Chlorotoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
4-Methyl-2-pentanone	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Acetone	ND		0.047	mg/Kg-dry	1	5/24/2024 08:55 PM
Benzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Bromobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Bromochloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Bromodichloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Bromoform	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Bromomethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Carbon disulfide	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Carbon tetrachloride	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Chlorobenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 3 **Lab ID:** 24050737-69
Collection Date: 5/15/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Chloroform	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Chloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
cis-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
cis-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Dibromochloromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Dibromomethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Dichlorodifluoromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Ethylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Hexachlorobutadiene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Isopropylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
m,p-Xylene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Methyl tert-butyl ether	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/24/2024 08:55 PM
Naphthalene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
n-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
n-Propylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
o-Xylene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
p-Isopropyltoluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
sec-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Styrene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
tert-Butylbenzene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Tetrachloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Toluene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
trans-1,2-Dichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
trans-1,3-Dichloropropene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Trichloroethene	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Trichlorofluoromethane	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Vinyl chloride	ND		0.0047	mg/Kg-dry	1	5/24/2024 08:55 PM
Xylenes, Total	ND		0.0095	mg/Kg-dry	1	5/24/2024 08:55 PM
Surr: 4-Bromofluorobenzene	*100*		*60-140*	*%REC*	1	5/24/2024 08:55 PM
Surr: Dibromofluoromethane	*102*		*60-140*	*%REC*	1	5/24/2024 08:55 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/24/2024 08:55 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-2 (4-6) **Lab ID:** 24050737-70
Collection Date: 5/15/2024 10:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:07		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,1,1-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,1,2,2-Tetrachloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,1,2-Trichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,1-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,1-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,1-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2,3-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2,3-Trichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2,4-Trichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2,4-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2-Dibromo-3-chloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2-Dibromoethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2-Dichloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,3,5-Trimethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,3-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,3-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
1,4-Dichlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
2,2-Dichloropropane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
2-Butanone	ND		0.046	mg/Kg-dry	1	5/24/2024 09:11 PM
2-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
2-Hexanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
4-Chlorotoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
4-Methyl-2-pentanone	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Acetone	ND		0.046	mg/Kg-dry	1	5/24/2024 09:11 PM
Benzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Bromobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Bromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Bromodichloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Bromoform	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Bromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Carbon disulfide	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Carbon tetrachloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Chlorobenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-2 (4-6) **Lab ID:** 24050737-70
Collection Date: 5/15/2024 10:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Chloroform	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Chloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
cis-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
cis-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Dibromochloromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Dibromomethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Dichlorodifluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Ethylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Hexachlorobutadiene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Isopropylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
m,p-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Methyl tert-butyl ether	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Methylene chloride	ND		0.019	mg/Kg-dry	1	5/24/2024 09:11 PM
Naphthalene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
n-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
n-Propylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
o-Xylene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
p-Isopropyltoluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
sec-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Styrene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
tert-Butylbenzene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Tetrachloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Toluene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
trans-1,2-Dichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
trans-1,3-Dichloropropene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Trichloroethene	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Trichlorofluoromethane	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Vinyl chloride	ND		0.0046	mg/Kg-dry	1	5/24/2024 09:11 PM
Xylenes, Total	ND		0.0093	mg/Kg-dry	1	5/24/2024 09:11 PM
Surr: 4-Bromofluorobenzene	*99.5*		*60-140*	*%REC*	1	5/24/2024 09:11 PM
Surr: Dibromofluoromethane	*107*		*60-140*	*%REC*	1	5/24/2024 09:11 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/24/2024 09:11 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-2 (6-8) **Lab ID:** 24050737-71
Collection Date: 5/15/2024 10:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**6.9**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:07		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	5/24/2024 09:27 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Acetone	ND		0.053	mg/Kg-dry	1	5/24/2024 09:27 PM
Benzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Carbon disulfide	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-2 (6-8) **Lab ID:** 24050737-71
Collection Date: 5/15/2024 10:00 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/24/2024 09:27 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Styrene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Toluene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Trichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:27 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/24/2024 09:27 PM
Surr: 4-Bromofluorobenzene	*99.9*		*60-140*	*%REC*	1	5/24/2024 09:27 PM
Surr: Dibromofluoromethane	*101*		*60-140*	*%REC*	1	5/24/2024 09:27 PM
Surr: Toluene-d8	*100*		*60-140*	*%REC*	1	5/24/2024 09:27 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 4 **Lab ID:** 24050737-72
Collection Date: 5/15/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**8.7**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:07		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	5/24/2024 09:43 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Acetone	ND		0.053	mg/Kg-dry	1	5/24/2024 09:43 PM
Benzene	**0.014**		**0.0053**	**mg/Kg-dry**	1	5/24/2024 09:43 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Carbon disulfide	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: DUP 4 **Lab ID:** 24050737-72
Collection Date: 5/15/2024 **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	5/24/2024 09:43 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Styrene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Toluene	**0.0064**		**0.0053**	**mg/Kg-dry**	1	5/24/2024 09:43 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Trichloroethene	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	5/24/2024 09:43 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	5/24/2024 09:43 PM
Surr: 4-Bromofluorobenzene	*103*		*60-140*	*%REC*	1	5/24/2024 09:43 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	5/24/2024 09:43 PM
Surr: Toluene-d8	*99.3*		*60-140*	*%REC*	1	5/24/2024 09:43 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-1 (2-4) **Lab ID:** 24050737-73
Collection Date: 5/15/2024 10:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**9.7**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:07		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	5/24/2024 09:59 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Acetone	ND		0.050	mg/Kg-dry	1	5/24/2024 09:59 PM
Benzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-1 (2-4) **Lab ID:** 24050737-73
Collection Date: 5/15/2024 10:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/24/2024 09:59 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Styrene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Toluene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Trichloroethene	**0.043**		**0.0050**	**mg/Kg-dry**	1	5/24/2024 09:59 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	5/24/2024 09:59 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	5/24/2024 09:59 PM
Surr: 4-Bromofluorobenzene	*109*		*60-140*	*%REC*	1	5/24/2024 09:59 PM
Surr: Dibromofluoromethane	*103*		*60-140*	*%REC*	1	5/24/2024 09:59 PM
Surr: Toluene-d8	*97.5*		*60-140*	*%REC*	1	5/24/2024 09:59 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-1 (4-6) **Lab ID:** 24050737-74
Collection Date: 5/15/2024 10:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	5/23/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**	Prep: E5035 5/24/24 11:07		Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	5/24/2024 10:15 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Acetone	ND		0.049	mg/Kg-dry	1	5/24/2024 10:15 PM
Benzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: F-1 (4-6) **Lab ID:** 24050737-74
Collection Date: 5/15/2024 10:20 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	5/24/2024 10:15 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Styrene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Toluene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	5/24/2024 10:15 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	5/24/2024 10:15 PM
Surr: 4-Bromofluorobenzene	*101*		*60-140*	*%REC*	1	5/24/2024 10:15 PM
Surr: Dibromofluoromethane	*105*		*60-140*	*%REC*	1	5/24/2024 10:15 PM
Surr: Toluene-d8	*99.5*		*60-140*	*%REC*	1	5/24/2024 10:15 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: EQ Blank 1 **Lab ID:** 24050737-75
Collection Date: 5/13/2024 10:00 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/22/2024 05:25 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/22/2024 05:25 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
2-Butanone	ND		50	µg/L	1	5/22/2024 05:25 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
2-Hexanone	ND		5.0	µg/L	1	5/22/2024 05:25 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Acetone	ND		50	µg/L	1	5/22/2024 05:25 PM
Benzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Bromobenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Bromochloromethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Bromoform	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Bromomethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Carbon disulfide	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Chlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Chloroethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Chloroform	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Chloromethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: EQ Blank 1 **Lab ID:** 24050737-75
Collection Date: 5/13/2024 10:00 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Dibromomethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Ethylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
m,p-Xylene	ND		10	µg/L	1	5/22/2024 05:25 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Methylene chloride	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Naphthalene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
o-Xylene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Styrene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Toluene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Trichloroethene	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/22/2024 05:25 PM
Vinyl chloride	ND		2.0	µg/L	1	5/22/2024 05:25 PM
Xylenes, Total	ND		15	µg/L	1	5/22/2024 05:25 PM
Surr: 4-Bromofluorobenzene	*103*		*61-131*	*%REC*	1	5/22/2024 05:25 PM
Surr: Dibromofluoromethane	*101*		*72-137*	*%REC*	1	5/22/2024 05:25 PM
Surr: Toluene-d8	*104*		*93.7-124*	*%REC*	1	5/22/2024 05:25 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: EQ Blank 2 **Lab ID:** 24050737-76
Collection Date: 5/14/2024 09:30 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/22/2024 05:46 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/22/2024 05:46 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
2-Butanone	ND		50	µg/L	1	5/22/2024 05:46 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
2-Hexanone	ND		5.0	µg/L	1	5/22/2024 05:46 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Acetone	ND		50	µg/L	1	5/22/2024 05:46 PM
Benzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Bromobenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Bromochloromethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Bromoform	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Bromomethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Carbon disulfide	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Chlorobenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Chloroethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Chloroform	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Chloromethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: EQ Blank 2 **Lab ID:** 24050737-76
Collection Date: 5/14/2024 09:30 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Dibromomethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Ethylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
m,p-Xylene	ND		10	µg/L	1	5/22/2024 05:46 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Methylene chloride	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Naphthalene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
o-Xylene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Styrene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Toluene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Trichloroethene	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/22/2024 05:46 PM
Vinyl chloride	ND		2.0	µg/L	1	5/22/2024 05:46 PM
Xylenes, Total	ND		15	µg/L	1	5/22/2024 05:46 PM
Surr: 4-Bromofluorobenzene	*108*		*61-131*	*%REC*	1	5/22/2024 05:46 PM
Surr: Dibromofluoromethane	*98.3*		*72-137*	*%REC*	1	5/22/2024 05:46 PM
Surr: Toluene-d8	*105*		*93.7-124*	*%REC*	1	5/22/2024 05:46 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: EQ Blank 3 **Lab ID:** 24050737-77
Collection Date: 5/15/2024 11:00 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/22/2024 06:07 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/22/2024 06:07 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
2-Butanone	ND		50	µg/L	1	5/22/2024 06:07 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
2-Hexanone	ND		5.0	µg/L	1	5/22/2024 06:07 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Acetone	ND		50	µg/L	1	5/22/2024 06:07 PM
Benzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Bromobenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Bromochloromethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Bromoform	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Bromomethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Carbon disulfide	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Chlorobenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Chloroethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Chloroform	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Chloromethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: EQ Blank 3 **Lab ID:** 24050737-77
Collection Date: 5/15/2024 11:00 AM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Dibromomethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Ethylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
m,p-Xylene	ND		10	µg/L	1	5/22/2024 06:07 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Methylene chloride	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Naphthalene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
o-Xylene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Styrene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Toluene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Trichloroethene	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/22/2024 06:07 PM
Vinyl chloride	ND		2.0	µg/L	1	5/22/2024 06:07 PM
Xylenes, Total	ND		15	µg/L	1	5/22/2024 06:07 PM
Surr: 4-Bromofluorobenzene	*106*		*61-131*	*%REC*	1	5/22/2024 06:07 PM
Surr: Dibromofluoromethane	*96.2*		*72-137*	*%REC*	1	5/22/2024 06:07 PM
Surr: Toluene-d8	*102*		*93.7-124*	*%REC*	1	5/22/2024 06:07 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: Trip Blank #3 **Lab ID:** 24050737-78
Collection Date: 5/14/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	5/22/2024 04:23 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	5/22/2024 04:23 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
2-Butanone	ND		50	µg/L	1	5/22/2024 04:23 PM
2-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
2-Hexanone	ND		5.0	µg/L	1	5/22/2024 04:23 PM
4-Chlorotoluene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Acetone	ND		50	µg/L	1	5/22/2024 04:23 PM
Benzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Bromobenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Bromochloromethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Bromodichloromethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Bromoform	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Bromomethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Carbon disulfide	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Carbon tetrachloride	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Chlorobenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Chloroethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Chloroform	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Chloromethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM

Note:

ALS Environmental

Date: *30-May-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16 **Work Order:** 24050737
Sample ID: Trip Blank #3 **Lab ID:** 24050737-78
Collection Date: 5/14/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Dibromochloromethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Dibromomethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Ethylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Isopropylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
m,p-Xylene	ND		10	µg/L	1	5/22/2024 04:23 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Methylene chloride	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Naphthalene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
n-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
n-Propylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
o-Xylene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
sec-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Styrene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
tert-Butylbenzene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Tetrachloroethene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Toluene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Trichloroethene	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	5/22/2024 04:23 PM
Vinyl chloride	ND		2.0	µg/L	1	5/22/2024 04:23 PM
Xylenes, Total	ND		15	µg/L	1	5/22/2024 04:23 PM
Surr: 4-Bromofluorobenzene	*112*		*61-131*	*%REC*	1	5/22/2024 04:23 PM
Surr: Dibromofluoromethane	*94.9*		*72-137*	*%REC*	1	5/22/2024 04:23 PM
Surr: Toluene-d8	*102*		*93.7-124*	*%REC*	1	5/22/2024 04:23 PM

Note:

ALS Environmental

Date: 30-May-24

Client: Partners Environmental Consulting, Inc.

Work Order: 24050737

Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98956** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLK-98956** Units: **µg/Kg** Analysis Date: **5/21/2024 11:21 AM**

Client ID: Run ID: **VMS5_240521B** SeqNo: **3396799** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **98956** Instrument ID **VMS5** Method: **SW8260B**

Dibromochloromethane	ND	5.0						
Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	0.99	5.0						J
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
Surr: 4-Bromofluorobenzene	*49.64*	0	*50*	0	*99.3*	*60-140*	0	
Surr: Dibromofluoromethane	*53.46*	0	*50*	0	*107*	*60-140*	0	
Surr: Toluene-d8	*50.07*	0	*50*	0	*100*	*60-140*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98956** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCS-98956** Units: **µg/Kg** Analysis Date: **5/21/2024 10:20 AM**

Client ID: Run ID: **VMS5_240521B** SeqNo: **3396796** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	40.55	5.0	50	0	81.1	53.6-149	0			
1,1-Dichloroethene	43.94	5.0	50	0	87.9	38.8-176	0			
1,2-Dichloroethane	34.35	5.0	50	0	68.7	54.4-145	0			
1,3-Dichlorobenzene	41.59	5.0	50	0	83.2	54.2-137	0			
1,4-Dichlorobenzene	40.28	5.0	50	0	80.6	52.8-135	0			
Benzene	40.75	5.0	50	0	81.5	56-148	0			
Carbon tetrachloride	42.12	5.0	50	0	84.2	51.9-151	0			
Chlorobenzene	40.96	5.0	50	0	81.9	55.4-137	0			
Chloroform	39.08	5.0	50	0	78.2	51.1-147	0			
cis-1,2-Dichloroethene	39.94	5.0	50	0	79.9	47.6-149	0			
Ethylbenzene	42.04	5.0	50	0	84.1	55.8-142	0			
m,p-Xylene	86.09	5.0	100	0	86.1	57.6-141	0			
Styrene	41.5	5.0	50	0	83	59.6-143	0			
Tetrachloroethene	29.62	5.0	50	0	59.2	38.7-101	0			
Toluene	40.3	5.0	50	0	80.6	56-143	0			
Trichloroethene	40.4	5.0	50	0	80.8	56.5-143	0			
Surr: 4-Bromofluorobenzene	*50*	0	*50*	0	*100*	*60-140*	0			
Surr: Dibromofluoromethane	*45.78*	0	*50*	0	*91.6*	*60-140*	0			
Surr: Toluene-d8	*48.78*	0	*50*	0	*97.6*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98956** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **24050720-06AMS** Units: **µg/Kg** Analysis Date: **5/21/2024 04:30 PM**

Client ID: Run ID: **VMS5_240521B** SeqNo: **3396814** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	44.22	5.0	50	0	88.4	66.9-140	0			
1,1-Dichloroethene	43.04	5.0	50	0	86.1	41.4-161	0			
1,2-Dichloroethane	42.86	5.0	50	0	85.7	58.9-137	0			
1,3-Dichlorobenzene	33.92	5.0	50	0	67.8	42.5-150	0			
1,4-Dichlorobenzene	33.56	5.0	50	0	67.1	52.1-137	0			
Benzene	43.26	5.0	50	0	86.5	35.8-162	0			
Carbon tetrachloride	45.16	5.0	50	0	90.3	53.2-137	0			
Chlorobenzene	38.59	5.0	50	0	77.2	65.6-137	0			
Chloroform	43.28	5.0	50	0	86.6	63.6-147	0			
cis-1,2-Dichloroethene	42.35	5.0	50	0	84.7	52.9-138	0			
Ethylbenzene	40.33	5.0	50	0	80.7	57.5-134	0			
m,p-Xylene	79.91	5.0	100	0	79.9	56.4-135	0			
Styrene	39.21	5.0	50	0	78.4	60.9-135	0			
Tetrachloroethene	38.25	5.0	50	0	76.5	28.3-109	0			
Toluene	42.44	5.0	50	0	84.9	67.7-135	0			
Trichloroethene	43.55	5.0	50	0	87.1	56.5-136	0			
Surr: 4-Bromofluorobenzene	*49.78*	0	*50*	0	*99.6*	*60-140*	0			
Surr: Dibromofluoromethane	*48.59*	0	*50*	0	*97.2*	*60-140*	0			
Surr: Toluene-d8	*50.88*	0	*50*	0	*102*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98956** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **24050720-06AMSD** Units: **µg/Kg** Analysis Date: **5/21/2024 12:05 PM**

Client ID: Run ID: **VMS5_240521B** SeqNo: **3396801** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	39.88	5.0	50	0	79.8	66.9-140	44.22	10.3	20	
1,1-Dichloroethene	42.37	5.0	50	0	84.7	41.4-161	43.04	1.57	20	
1,2-Dichloroethane	39	5.0	50	0	78	58.9-137	42.86	9.43	20	
1,3-Dichlorobenzene	30.05	5.0	50	0	60.1	42.5-150	33.92	12.1	20	
1,4-Dichlorobenzene	30.37	5.0	50	0	60.7	52.1-137	33.56	9.95	20	
Benzene	39.92	5.0	50	0	79.8	35.8-162	43.26	8.03	20	
Carbon tetrachloride	40.46	5.0	50	0	80.9	53.2-137	45.16	11	20	
Chlorobenzene	35.08	5.0	50	0	70.2	65.6-137	38.59	9.54	20	
Chloroform	40.78	5.0	50	0	81.6	63.6-147	43.28	5.95	20	
cis-1,2-Dichloroethene	40.29	5.0	50	0	80.6	52.9-138	42.35	4.98	20	
Ethylbenzene	35.74	5.0	50	0	71.5	57.5-134	40.33	12.1	20	
m,p-Xylene	71.7	5.0	100	0	71.7	56.4-135	79.91	10.8	20	
Styrene	35.57	5.0	50	0	71.1	60.9-135	39.21	9.74	20	
Tetrachloroethene	23.42	5.0	50	0	46.8	28.3-109	38.25	48.1	20	R
Toluene	38.67	5.0	50	0	77.3	67.7-135	42.44	9.3	20	
Trichloroethene	39.64	5.0	50	0	79.3	56.5-136	43.55	9.42	20	
Surr: 4-Bromofluorobenzene	*50.38*	0	*50*	0	*101*	*60-140*	49.78	*1.2*		
Surr: Dibromofluoromethane	*49.59*	0	*50*	0	*99.2*	*60-140*	48.59	*2.04*		
Surr: Toluene-d8	*50.66*	0	*50*	0	*101*	*60-140*	50.88	*0.422*		

The following samples were analyzed in this batch:

24050737-01A	24050737-02A	24050737-03A
24050737-04A	24050737-05A	24050737-06A
24050737-07A	24050737-08A	24050737-09A
24050737-10A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-98970** Units: **µg/Kg** Analysis Date: **5/22/2024 11:13 AM**

Client ID: Run ID: **VMS2_240522A** SeqNo: **3397793** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	*50.49*	0	*50*	0	*101*	*60-140*	0
Surr: Dibromofluoromethane	*50.03*	0	*50*	0	*100*	*60-140*	0
Surr: Toluene-d8	*55.03*	0	*50*	0	*110*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-98970** Units: **µg/Kg** Analysis Date: **5/23/2024 10:40 AM**

Client ID: Run ID: **VMS2_240523A** SeqNo: **3399394** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	1.766	5.0								J
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	1.561	5.0						J
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
Surr: 4-Bromofluorobenzene	*56.86*	0	*50*	0	*114*	*60-140*	0	
Surr: Dibromofluoromethane	*43.66*	0	*50*	0	*87.3*	*60-140*	0	
Surr: Toluene-d8	*50.99*	0	*50*	0	*102*	*60-140*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-98970** Units: **µg/Kg** Analysis Date: **5/24/2024 05:55 PM**

Client ID: Run ID: **VMS2_240524B** SeqNo: **3400629** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	0.892	5.0								J
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	*50.26*	0	*50*	0	*101*	*60-140*	0
Surr: Dibromofluoromethane	*54.1*	0	*50*	0	*108*	*60-140*	0
Surr: Toluene-d8	*52.57*	0	*50*	0	*105*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-98970** Units: **µg/Kg** Analysis Date: **5/22/2024 10:24 AM**

Client ID: Run ID: **VMS2_240522A** SeqNo: **3397790** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	46.26	5.0	50	0	92.5	53.6-149	0			
1,1-Dichloroethene	42.81	5.0	50	0	85.6	38.8-176	0			
1,2-Dichloroethane	47.34	5.0	50	0	94.7	54.4-145	0			
1,3-Dichlorobenzene	38.1	5.0	50	0	76.2	54.2-137	0			
1,4-Dichlorobenzene	38.62	5.0	50	0	77.2	52.8-135	0			
Benzene	47.26	5.0	50	0	94.5	56-148	0			
Carbon tetrachloride	48.03	5.0	50	0	96.1	51.9-151	0			
Chlorobenzene	40.67	5.0	50	0	81.3	55.4-137	0			
Chloroform	43.63	5.0	50	0	87.3	51.1-147	0			
cis-1,2-Dichloroethene	43.28	5.0	50	0	86.6	47.6-149	0			
Ethylbenzene	41.46	5.0	50	0	82.9	55.8-142	0			
m,p-Xylene	82.42	5.0	100	0	82.4	57.6-141	0			
Styrene	42.64	5.0	50	0	85.3	59.6-143	0			
Tetrachloroethene	31.54	5.0	50	0	63.1	38.7-101	0			
Toluene	46.62	5.0	50	0	93.2	56-143	0			
Trichloroethene	44.92	5.0	50	0	89.8	56.5-143	0			
Surr: 4-Bromofluorobenzene	*50.74*	0	*50*	0	*101*	*60-140*	0			
Surr: Dibromofluoromethane	*46.02*	0	*50*	0	*92*	*60-140*	0			
Surr: Toluene-d8	*51.32*	0	*50*	0	*103*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-98970** Units: **µg/Kg** Analysis Date: **5/23/2024 09:51 AM**

Client ID: Run ID: **VMS2_240523A** SeqNo: **3399391** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	48.39	5.0	50	0	96.8	53.6-149	0			
1,1-Dichloroethene	45.05	5.0	50	0	90.1	38.8-176	0			
1,2-Dichloroethane	50.63	5.0	50	0	101	54.4-145	0			
1,3-Dichlorobenzene	41.7	5.0	50	0	83.4	54.2-137	0			
1,4-Dichlorobenzene	42.31	5.0	50	0	84.6	52.8-135	0			
Benzene	50.16	5.0	50	0	100	56-148	0			
Carbon tetrachloride	50.4	5.0	50	0	101	51.9-151	0			
Chlorobenzene	43.52	5.0	50	0	87	55.4-137	0			
Chloroform	46.27	5.0	50	0	92.5	51.1-147	0			
cis-1,2-Dichloroethene	46.22	5.0	50	0	92.4	47.6-149	0			
Ethylbenzene	44.38	5.0	50	0	88.8	55.8-142	0			
m,p-Xylene	88.17	5.0	100	0	88.2	57.6-141	0			
Styrene	45.33	5.0	50	0	90.7	59.6-143	0			
Tetrachloroethene	33.46	5.0	50	0	66.9	38.7-101	0			
Toluene	49.32	5.0	50	0	98.6	56-143	0			
Trichloroethene	47.21	5.0	50	0	94.4	56.5-143	0			
Surr: 4-Bromofluorobenzene	*50.78*	0	*50*	0	*102*	*60-140*	0			
Surr: Dibromofluoromethane	*44.31*	0	*50*	0	*88.6*	*60-140*	0			
Surr: Toluene-d8	*50.73*	0	*50*	0	*101*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-98970** Units: **µg/Kg** Analysis Date: **5/24/2024 04:31 PM**

Client ID: Run ID: **VMS2_240524B** SeqNo: **3400624** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	58.75	5.0	50	0	118	53.6-149	0			
1,1-Dichloroethene	59.31	5.0	50	0	119	38.8-176	0			
1,2-Dichloroethane	49.88	5.0	50	0	99.8	54.4-145	0			
1,3-Dichlorobenzene	48.59	5.0	50	0	97.2	54.2-137	0			
1,4-Dichlorobenzene	46.45	5.0	50	0	92.9	52.8-135	0			
Benzene	57.28	5.0	50	0	115	56-148	0			
Carbon tetrachloride	66.85	5.0	50	0	134	51.9-151	0			
Chlorobenzene	52.22	5.0	50	0	104	55.4-137	0			
Chloroform	54.31	5.0	50	0	109	51.1-147	0			
cis-1,2-Dichloroethene	53.08	5.0	50	0	106	47.6-149	0			
Ethylbenzene	55.98	5.0	50	0	112	55.8-142	0			
m,p-Xylene	116.9	5.0	100	0	117	57.6-141	0			
Styrene	57.39	5.0	50	0	115	59.6-143	0			
Tetrachloroethene	54.74	5.0	50	0	109	38.7-101	0			S
Toluene	56.81	5.0	50	0	114	56-143	0			
Trichloroethene	58.61	5.0	50	0	117	56.5-143	0			
Surr: 4-Bromofluorobenzene	*50.41*	0	*50*	0	*101*	*60-140*	0			
Surr: Dibromofluoromethane	*50.31*	0	*50*	0	*101*	*60-140*	0			
Surr: Toluene-d8	*50.56*	0	*50*	0	*101*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MS Sample ID: **24050738-04AMS** Units: **µg/Kg** Analysis Date: **5/22/2024 10:40 AM**

Client ID: Run ID: **VMS2_240522A** SeqNo: **3397791** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	24.19	5.0	50	0	48.4	66.9-140	0			S
1,1-Dichloroethene	19.16	5.0	50	0	38.3	41.4-161	0			S
1,2-Dichloroethane	33.22	5.0	50	0	66.4	58.9-137	0			
1,3-Dichlorobenzene	19.2	5.0	50	0	38.4	42.5-150	0			S
1,4-Dichlorobenzene	18.88	5.0	50	0	37.8	52.1-137	0			S
Benzene	25.36	5.0	50	0	50.7	35.8-162	0			
Carbon tetrachloride	24.11	5.0	50	0	48.2	53.2-137	0			S
Chlorobenzene	22.21	5.0	50	0	44.4	65.6-137	0			S
Chloroform	25.95	5.0	50	0	51.9	63.6-147	0			S
cis-1,2-Dichloroethene	24.72	5.0	50	0	49.4	52.9-138	0			S
Ethylbenzene	21.14	5.0	50	0	42.3	57.5-134	0			S
m,p-Xylene	43.35	5.0	100	0	43.3	56.4-135	0			S
Styrene	22.3	5.0	50	0	44.6	60.9-135	0			S
Tetrachloroethene	15.68	5.0	50	0	31.4	28.3-109	0			
Toluene	25.05	5.0	50	0	50.1	67.7-135	0			S
Trichloroethene	22.72	5.0	50	0	45.4	56.5-136	0			S
Surr: 4-Bromofluorobenzene	*51.92*	0	*50*	0	*104*	*60-140*	0			
Surr: Dibromofluoromethane	*48.08*	0	*50*	0	*96.2*	*60-140*	0			
Surr: Toluene-d8	*52.04*	0	*50*	0	*104*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MS Sample ID: **24050893-05AMS** Units: **µg/Kg** Analysis Date: **5/23/2024 10:07 AM**

Client ID: Run ID: **VMS2_240523A** SeqNo: **3399392** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	43.47	5.0	50	0	86.9	66.9-140	0			
1,1-Dichloroethene	40.28	5.0	50	0	80.6	41.4-161	0			
1,2-Dichloroethane	46.52	5.0	50	0	93	58.9-137	0			
1,3-Dichlorobenzene	36.66	5.0	50	0	73.3	42.5-150	0			
1,4-Dichlorobenzene	36.54	5.0	50	0	73.1	52.1-137	0			
Benzene	45.08	5.0	50	0	90.2	35.8-162	0			
Carbon tetrachloride	44.65	5.0	50	0	89.3	53.2-137	0			
Chlorobenzene	38.82	5.0	50	0	77.6	65.6-137	0			
Chloroform	41.56	5.0	50	0	83.1	63.6-147	0			
cis-1,2-Dichloroethene	41.14	5.0	50	0	82.3	52.9-138	0			
Ethylbenzene	39.01	5.0	50	0	78	57.5-134	0			
m,p-Xylene	78.46	5.0	100	0	78.5	56.4-135	0			
Styrene	40.75	5.0	50	0	81.5	60.9-135	0			
Tetrachloroethene	29.66	5.0	50	0	59.3	28.3-109	0			
Toluene	44.3	5.0	50	0	88.6	67.7-135	0			
Trichloroethene	42.19	5.0	50	0	84.4	56.5-136	0			
Surr: 4-Bromofluorobenzene	*51.08*	0	*50*	0	*102*	*60-140*	0			
Surr: Dibromofluoromethane	*44.63*	0	*50*	0	*89.3*	*60-140*	0			
Surr: Toluene-d8	*50.57*	0	*50*	0	*101*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MS Sample ID: **24050729-21AMS** Units: **µg/Kg** Analysis Date: **5/24/2024 04:48 PM**

Client ID: Run ID: **VMS2_240524B** SeqNo: **3400625** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.45	5.0	50	0	98.9	66.9-140	0			
1,1-Dichloroethene	49.38	5.0	50	0	98.8	41.4-161	0			
1,2-Dichloroethane	49.61	5.0	50	0	99.2	58.9-137	0			
1,3-Dichlorobenzene	38.59	5.0	50	0	77.2	42.5-150	0			
1,4-Dichlorobenzene	37.47	5.0	50	0	74.9	52.1-137	0			
Benzene	48.82	5.0	50	0	97.6	35.8-162	0			
Carbon tetrachloride	54.85	5.0	50	0	110	53.2-137	0			
Chlorobenzene	42.97	5.0	50	0	85.9	65.6-137	0			
Chloroform	47.31	5.0	50	0	94.6	63.6-147	0			
cis-1,2-Dichloroethene	47.1	5.0	50	0	94.2	52.9-138	0			
Ethylbenzene	45.84	5.0	50	0	91.7	57.5-134	0			
m,p-Xylene	95.14	5.0	100	0	95.1	56.4-135	0			
Styrene	46.04	5.0	50	0	92.1	60.9-135	0			
Tetrachloroethene	41.7	5.0	50	0	83.4	28.3-109	0			
Toluene	47.17	5.0	50	0	94.3	67.7-135	0			
Trichloroethene	48.1	5.0	50	0	96.2	56.5-136	0			
Surr: 4-Bromofluorobenzene	*50.88*	0	*50*	0	*102*	*60-140*	0			
Surr: Dibromofluoromethane	*50.63*	0	*50*	0	*101*	*60-140*	0			
Surr: Toluene-d8	*51.3*	0	*50*	0	*103*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MSD Sample ID: **24050738-04MSD** Units: **µg/Kg** Analysis Date: **5/22/2024 10:57 AM**

Client ID: Run ID: **VMS2_240522A** SeqNo: **3397792** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	10.27	5.0	50	0	20.5	66.9-140	0			S
1,1-Dichloroethene	5.501	5.0	50	0	11	41.4-161	0			S
1,2-Dichloroethane	13.86	5.0	50	0	27.7	58.9-137	0			S
1,3-Dichlorobenzene	10.11	5.0	50	0	20.2	42.5-150	0			S
1,4-Dichlorobenzene	9.886	5.0	50	0	19.8	52.1-137	0			S
Benzene	10.17	5.0	50	0	20.3	35.8-162	0			S
Carbon tetrachloride	9.814	5.0	50	0	19.6	53.2-137	0			S
Chlorobenzene	11	5.0	50	0	22	65.6-137	0			S
Chloroform	11.68	5.0	50	0	23.4	63.6-147	0			S
cis-1,2-Dichloroethene	9.924	5.0	50	0	19.8	52.9-138	0			S
Ethylbenzene	10.87	5.0	50	0	21.7	57.5-134	0			S
m,p-Xylene	21.41	5.0	100	0	21.4	56.4-135	0			S
Styrene	10.73	5.0	50	0	21.5	60.9-135	0			S
Tetrachloroethene	7.626	5.0	50	0	15.3	28.3-109	0			S
Toluene	12.21	5.0	50	0	24.4	67.7-135	0			S
Trichloroethene	10.26	5.0	50	0	20.5	56.5-136	0			S
Surr: 4-Bromofluorobenzene	*53.55*	0	*50*	0	*107*	*60-140*	0			
Surr: Dibromofluoromethane	*46.35*	0	*50*	0	*92.7*	*60-140*	0			
Surr: Toluene-d8	*52.74*	0	*50*	0	*105*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MSD Sample ID: **24050893-05AMSD** Units: **µg/Kg** Analysis Date: **5/23/2024 10:24 AM**

Client ID: Run ID: **VMS2_240523A** SeqNo: **3399393** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.51	5.0	50	0	91	66.9-140	43.47	4.59	20	
1,1-Dichloroethene	41.89	5.0	50	0	83.8	41.4-161	40.28	3.92	20	
1,2-Dichloroethane	47.35	5.0	50	0	94.7	58.9-137	46.52	1.77	20	
1,3-Dichlorobenzene	37.88	5.0	50	0	75.8	42.5-150	36.66	3.25	20	
1,4-Dichlorobenzene	37.09	5.0	50	0	74.2	52.1-137	36.54	1.49	20	
Benzene	47.38	5.0	50	0	94.8	35.8-162	45.08	4.99	20	
Carbon tetrachloride	47.37	5.0	50	0	94.7	53.2-137	44.65	5.93	20	
Chlorobenzene	40.25	5.0	50	0	80.5	65.6-137	38.82	3.62	20	
Chloroform	43.52	5.0	50	0	87	63.6-147	41.56	4.61	20	
cis-1,2-Dichloroethene	42.83	5.0	50	0	85.7	52.9-138	41.14	4.04	20	
Ethylbenzene	41.38	5.0	50	0	82.8	57.5-134	39.01	5.9	20	
m,p-Xylene	82.36	5.0	100	0	82.4	56.4-135	78.46	4.85	20	
Styrene	41.68	5.0	50	0	83.4	60.9-135	40.75	2.25	20	
Tetrachloroethene	31.15	5.0	50	0	62.3	28.3-109	29.66	4.92	20	
Toluene	46.24	5.0	50	0	92.5	67.7-135	44.3	4.29	20	
Trichloroethene	43.71	5.0	50	0	87.4	56.5-136	42.19	3.55	20	
Surr: 4-Bromofluorobenzene	*50.96*	0	*50*	0	*102*	*60-140*	51.08	*0.249*		
Surr: Dibromofluoromethane	*43.97*	0	*50*	0	*87.9*	*60-140*	44.63	*1.49*		
Surr: Toluene-d8	*50.49*	0	*50*	0	*101*	*60-140*	50.57	*0.174*		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98970** Instrument ID **VMS2** Method: **SW8260B**

MSD Sample ID: **24050729-21AMSD** Units: **µg/Kg** Analysis Date: **5/24/2024 05:05 PM**

Client ID: Run ID: **VMS2_240524B** SeqNo: **3400626** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.29	5.0	50	0	98.6	66.9-140	49.45	0.314	20	
1,1-Dichloroethene	50.71	5.0	50	0	101	41.4-161	49.38	2.65	20	
1,2-Dichloroethane	44.1	5.0	50	0	88.2	58.9-137	49.61	11.8	20	
1,3-Dichlorobenzene	35.55	5.0	50	0	71.1	42.5-150	38.59	8.2	20	
1,4-Dichlorobenzene	34.48	5.0	50	0	69	52.1-137	37.47	8.32	20	
Benzene	46.96	5.0	50	0	93.9	35.8-162	48.82	3.9	20	
Carbon tetrachloride	55.66	5.0	50	0	111	53.2-137	54.85	1.47	20	
Chlorobenzene	36.92	5.0	50	0	73.8	65.6-137	42.97	15.1	20	
Chloroform	46.54	5.0	50	0	93.1	63.6-147	47.31	1.66	20	
cis-1,2-Dichloroethene	45.55	5.0	50	0	91.1	52.9-138	47.1	3.35	20	
Ethylbenzene	40.68	5.0	50	0	81.4	57.5-134	45.84	11.9	20	
m,p-Xylene	84.9	5.0	100	0	84.9	56.4-135	95.14	11.4	20	
Styrene	40.2	5.0	50	0	80.4	60.9-135	46.04	13.5	20	
Tetrachloroethene	37.5	5.0	50	0	75	28.3-109	41.7	10.6	20	
Toluene	46.05	5.0	50	0	92.1	67.7-135	47.17	2.4	20	
Trichloroethene	46.86	5.0	50	0	93.7	56.5-136	48.1	2.62	20	
Surr: 4-Bromofluorobenzene	*49.96*	0	*50*	0	*99.9*	*60-140*	50.88	*1.82*		
Surr: Dibromofluoromethane	*51.82*	0	*50*	0	*104*	*60-140*	50.63	*2.32*		
Surr: Toluene-d8	*50.86*	0	*50*	0	*102*	*60-140*	51.3	*0.871*		

The following samples were analyzed in this batch:

24050737-11A	24050737-12A	24050737-13A
24050737-14A	24050737-15A	24050737-16A
24050737-17A	24050737-18A	24050737-19A
24050737-20A	24050737-21A	24050737-22A
24050737-23A	24050737-24A	24050737-25A
24050737-26A	24050737-27A	24050737-28A
24050737-29A	24050737-30A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98986** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLK-98986** Units: **µg/Kg** Analysis Date: **5/23/2024 10:49 AM**

Client ID: Run ID: **VMS5_240523A** SeqNo: **3401160** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **98986** Instrument ID **VMS5** Method: **SW8260B**

Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	1.175	5.0						J
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
Surr: 4-Bromofluorobenzene	*50.9*	0	*50*	0	*102*	*60-140*	0	
Surr: Dibromofluoromethane	*54.84*	0	*50*	0	*110*	*60-140*	0	
Surr: Toluene-d8	*49*	0	*50*	0	*98*	*60-140*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98986** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCS-98986** Units: **µg/Kg** Analysis Date: **5/23/2024 09:49 AM**

Client ID: Run ID: **VMS5_240523A** SeqNo: **3401157** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	46.95	5.0	50	0	93.9	53.6-149	0			
1,1-Dichloroethene	51.43	5.0	50	0	103	38.8-176	0			
1,2-Dichloroethane	45.54	5.0	50	0	91.1	54.4-145	0			
1,3-Dichlorobenzene	45.01	5.0	50	0	90	54.2-137	0			
1,4-Dichlorobenzene	44.63	5.0	50	0	89.3	52.8-135	0			
Benzene	47.2	5.0	50	0	94.4	56-148	0			
Carbon tetrachloride	49.01	5.0	50	0	98	51.9-151	0			
Chlorobenzene	46.47	5.0	50	0	92.9	55.4-137	0			
Chloroform	48.02	5.0	50	0	96	51.1-147	0			
cis-1,2-Dichloroethene	46.22	5.0	50	0	92.4	47.6-149	0			
Ethylbenzene	47.98	5.0	50	0	96	55.8-142	0			
m,p-Xylene	97.29	5.0	100	0	97.3	57.6-141	0			
Styrene	48.68	5.0	50	0	97.4	59.6-143	0			
Tetrachloroethene	32.13	5.0	50	0	64.3	38.7-101	0			
Toluene	47.17	5.0	50	0	94.3	56-143	0			
Trichloroethene	47.92	5.0	50	0	95.8	56.5-143	0			
Surr: 4-Bromofluorobenzene	*47.88*	0	*50*	0	*95.8*	*60-140*	0			
Surr: Dibromofluoromethane	*50.17*	0	*50*	0	*100*	*60-140*	0			
Surr: Toluene-d8	*49.61*	0	*50*	0	*99.2*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98986** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **24050893-04AMS** Units: **µg/Kg** Analysis Date: **5/23/2024 10:09 AM**

Client ID: Run ID: **VMS5_240523A** SeqNo: **3401158** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.68	5.0	50	0	83.4	66.9-140	0			
1,1-Dichloroethene	44	5.0	50	0	88	41.4-161	0			
1,2-Dichloroethane	39.98	5.0	50	0	80	58.9-137	0			
1,3-Dichlorobenzene	37.12	5.0	50	0	74.2	42.5-150	0			
1,4-Dichlorobenzene	37.15	5.0	50	0	74.3	52.1-137	0			
Benzene	41.29	5.0	50	0	82.6	35.8-162	0			
Carbon tetrachloride	43.38	5.0	50	0	86.8	53.2-137	0			
Chlorobenzene	38.97	5.0	50	0	77.9	65.6-137	0			
Chloroform	42.21	5.0	50	0	84.4	63.6-147	0			
cis-1,2-Dichloroethene	39.88	5.0	50	0	79.8	52.9-138	0			
Ethylbenzene	40.06	5.0	50	0	80.1	57.5-134	0			
m,p-Xylene	81.67	5.0	100	0	81.7	56.4-135	0			
Styrene	39.75	5.0	50	0	79.5	60.9-135	0			
Tetrachloroethene	26.73	5.0	50	0	53.5	28.3-109	0			
Toluene	40.47	5.0	50	0	80.9	67.7-135	0			
Trichloroethene	40.74	5.0	50	0	81.5	56.5-136	0			
Surr: 4-Bromofluorobenzene	*49.54*	0	*50*	0	*99.1*	*60-140*	0			
Surr: Dibromofluoromethane	*48.94*	0	*50*	0	*97.9*	*60-140*	0			
Surr: Toluene-d8	*49.4*	0	*50*	0	*98.8*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **98986** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **24050893-04AMSD** Units: **µg/Kg** Analysis Date: **5/23/2024 10:29 AM**

Client ID: Run ID: **VMS5_240523A** SeqNo: **3401159** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.08	5.0	50	0	82.2	66.9-140	41.68	1.46	20	
1,1-Dichloroethene	43.69	5.0	50	0	87.4	41.4-161	44	0.696	20	
1,2-Dichloroethane	39.35	5.0	50	0	78.7	58.9-137	39.98	1.59	20	
1,3-Dichlorobenzene	34.67	5.0	50	0	69.3	42.5-150	37.12	6.84	20	
1,4-Dichlorobenzene	34.58	5.0	50	0	69.2	52.1-137	37.15	7.17	20	
Benzene	40.16	5.0	50	0	80.3	35.8-162	41.29	2.77	20	
Carbon tetrachloride	42.76	5.0	50	0	85.5	53.2-137	43.38	1.44	20	
Chlorobenzene	37.79	5.0	50	0	75.6	65.6-137	38.97	3.07	20	
Chloroform	42.38	5.0	50	0	84.8	63.6-147	42.21	0.423	20	
cis-1,2-Dichloroethene	40.36	5.0	50	0	80.7	52.9-138	39.88	1.19	20	
Ethylbenzene	38.97	5.0	50	0	77.9	57.5-134	40.06	2.77	20	
m,p-Xylene	79.36	5.0	100	0	79.4	56.4-135	81.67	2.86	20	
Styrene	38.67	5.0	50	0	77.3	60.9-135	39.75	2.77	20	
Tetrachloroethene	26.31	5.0	50	0	52.6	28.3-109	26.73	1.61	20	
Toluene	40.12	5.0	50	0	80.2	67.7-135	40.47	0.869	20	
Trichloroethene	39.9	5.0	50	0	79.8	56.5-136	40.74	2.08	20	
Surr: 4-Bromofluorobenzene	*49.12*	0	*50*	0	*98.2*	*60-140*	49.54	*0.843*		
Surr: Dibromofluoromethane	*50.48*	0	*50*	0	*101*	*60-140*	48.94	*3.09*		
Surr: Toluene-d8	*49.77*	0	*50*	0	*99.5*	*60-140*	49.4	*0.758*		

The following samples were analyzed in this batch:

24050737-32A	24050737-33A	24050737-34A
24050737-35A	24050737-36A	24050737-37A
24050737-38A	24050737-39A	24050737-40A
24050737-41A	24050737-42A	24050737-43A
24050737-44A	24050737-45A	24050737-46A
24050737-47A		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLK-99054** Units: **µg/Kg** Analysis Date: **5/24/2024 05:59 PM**

Client ID: Run ID: **VMS5_240524A** SeqNo: **3401183** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	*49.74*	0	*50*	0	*99.5*	*60-140*	0
Surr: Dibromofluoromethane	*51.93*	0	*50*	0	*104*	*60-140*	0
Surr: Toluene-d8	*49.59*	0	*50*	0	*99.2*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLK-99054** Units: **µg/Kg** Analysis Date: **5/28/2024 11:34 AM**

Client ID: Run ID: **VMS5_240528A** SeqNo: **3401829** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	*50.27*	0	*50*	0	*101*	*60-140*	0
Surr: Dibromofluoromethane	*52.32*	0	*50*	0	*105*	*60-140*	0
Surr: Toluene-d8	*50.07*	0	*50*	0	*100*	*60-140*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCS-99054** Units: **µg/Kg** Analysis Date: **5/24/2024 04:40 PM**

Client ID: Run ID: **VMS5_240524A** SeqNo: **3401178** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	56.48	5.0	50	0	113	53.6-149	0			
1,1-Dichloroethene	56.35	5.0	50	0	113	38.8-176	0			
1,2-Dichloroethane	57.1	5.0	50	0	114	54.4-145	0			
1,3-Dichlorobenzene	50.45	5.0	50	0	101	54.2-137	0			
1,4-Dichlorobenzene	48.79	5.0	50	0	97.6	52.8-135	0			
Benzene	55.96	5.0	50	0	112	56-148	0			
Carbon tetrachloride	58.51	5.0	50	0	117	51.9-151	0			
Chlorobenzene	53.06	5.0	50	0	106	55.4-137	0			
Chloroform	55.02	5.0	50	0	110	51.1-147	0			
cis-1,2-Dichloroethene	56.09	5.0	50	0	112	47.6-149	0			
Ethylbenzene	55.16	5.0	50	0	110	55.8-142	0			
m,p-Xylene	114	5.0	100	0	114	57.6-141	0			
Styrene	57.94	5.0	50	0	116	59.6-143	0			
Tetrachloroethene	39.26	5.0	50	0	78.5	38.7-101	0			
Toluene	55.69	5.0	50	0	111	56-143	0			
Trichloroethene	56.32	5.0	50	0	113	56.5-143	0			
Surr: 4-Bromofluorobenzene	*49.8*	0	*50*	0	*99.6*	*60-140*	0			
Surr: Dibromofluoromethane	*48.49*	0	*50*	0	*97*	*60-140*	0			
Surr: Toluene-d8	*50.86*	0	*50*	0	*102*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCS-99054** Units: **µg/Kg** Analysis Date: **5/28/2024 10:26 AM**

Client ID: Run ID: **VMS5_240528A** SeqNo: **3401826** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	49.8	5.0	50	0	99.6	53.6-149	0			
1,1-Dichloroethene	49.96	5.0	50	0	99.9	38.8-176	0			
1,2-Dichloroethane	49.67	5.0	50	0	99.3	54.4-145	0			
1,3-Dichlorobenzene	49.05	5.0	50	0	98.1	54.2-137	0			
1,4-Dichlorobenzene	47.01	5.0	50	0	94	52.8-135	0			
Benzene	52.04	5.0	50	0	104	56-148	0			
Carbon tetrachloride	50.18	5.0	50	0	100	51.9-151	0			
Chlorobenzene	50.47	5.0	50	0	101	55.4-137	0			
Chloroform	50.55	5.0	50	0	101	51.1-147	0			
cis-1,2-Dichloroethene	53.38	5.0	50	0	107	47.6-149	0			
Ethylbenzene	52.76	5.0	50	0	106	55.8-142	0			
m,p-Xylene	108.3	5.0	100	0	108	57.6-141	0			
Styrene	54.83	5.0	50	0	110	59.6-143	0			
Tetrachloroethene	55	5.0	50	0	110	38.7-101	0			S
Toluene	52.42	5.0	50	0	105	56-143	0			
Trichloroethene	51.85	5.0	50	0	104	56.5-143	0			
Surr: 4-Bromofluorobenzene	*49.83*	0	*50*	0	*99.7*	*60-140*	0			
Surr: Dibromofluoromethane	*48.37*	0	*50*	0	*96.7*	*60-140*	0			
Surr: Toluene-d8	*49.55*	0	*50*	0	*99.1*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **24050665-02AMS** Units: **µg/Kg** Analysis Date: **5/24/2024 05:28 PM**

Client ID: Run ID: **VMS5_240524A** SeqNo: **3401181** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	44.73	5.0	50	0	89.5	66.9-140	0			
1,1-Dichloroethene	45.58	5.0	50	0	91.2	41.4-161	0			
1,2-Dichloroethane	45.43	5.0	50	0	90.9	58.9-137	0			
1,3-Dichlorobenzene	31.05	5.0	50	0	62.1	42.5-150	0			
1,4-Dichlorobenzene	29.47	5.0	50	0	58.9	52.1-137	0			
Benzene	43.24	5.0	50	0	86.5	35.8-162	0			
Carbon tetrachloride	45.39	5.0	50	0	90.8	53.2-137	0			
Chlorobenzene	37.06	5.0	50	0	74.1	65.6-137	0			
Chloroform	43.2	5.0	50	0	86.4	63.6-147	0			
cis-1,2-Dichloroethene	43.77	5.0	50	0	87.5	52.9-138	0			
Ethylbenzene	39.48	5.0	50	0	79	57.5-134	0			
m,p-Xylene	81.12	5.0	100	0	81.1	56.4-135	0			
Styrene	38.88	5.0	50	0	77.8	60.9-135	0			
Tetrachloroethene	28.06	5.0	50	0	56.1	28.3-109	0			
Toluene	40.68	5.0	50	0	81.4	67.7-135	0			
Trichloroethene	40.58	5.0	50	0	81.2	56.5-136	0			
Surr: 4-Bromofluorobenzene	*50.19*	0	*50*	0	*100*	*60-140*	0			
Surr: Dibromofluoromethane	*48.9*	0	*50*	0	*97.8*	*60-140*	0			
Surr: Toluene-d8	*50.22*	0	*50*	0	*100*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **24050665-01AMS** Units: **µg/Kg** Analysis Date: **5/28/2024 11:01 AM**

Client ID: Run ID: **VMS5_240528A** SeqNo: **3401827** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	32.61	5.0	50	0	65.2	66.9-140	0			S
1,1-Dichloroethene	39.51	5.0	50	0	79	41.4-161	0			
1,2-Dichloroethane	34.51	5.0	50	0	69	58.9-137	0			
1,3-Dichlorobenzene	30.54	5.0	50	0	61.1	42.5-150	0			
1,4-Dichlorobenzene	29.2	5.0	50	0	58.4	52.1-137	0			
Benzene	35	5.0	50	0	70	35.8-162	0			
Carbon tetrachloride	33.53	5.0	50	0	67.1	53.2-137	0			
Chlorobenzene	32.05	5.0	50	0	64.1	65.6-137	0			S
Chloroform	34.32	5.0	50	0	68.6	63.6-147	0			
cis-1,2-Dichloroethene	36.32	5.0	50	0	72.6	52.9-138	0			
Ethylbenzene	32.64	5.0	50	0	65.3	57.5-134	0			
m,p-Xylene	67.68	5.0	100	0	67.7	56.4-135	0			
Styrene	34.78	5.0	50	0	69.6	60.9-135	0			
Tetrachloroethene	22.88	5.0	50	0	45.8	28.3-109	0			
Toluene	33.86	5.0	50	0	67.7	67.7-135	0			
Trichloroethene	33.66	5.0	50	0	67.3	56.5-136	0			
Surr: 4-Bromofluorobenzene	*50.53*	0	*50*	0	*101*	*60-140*	0			
Surr: Dibromofluoromethane	*49.53*	0	*50*	0	*99.1*	*60-140*	0			
Surr: Toluene-d8	*50.59*	0	*50*	0	*101*	*60-140*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **24050665-02AMSD** Units: **µg/Kg** Analysis Date: **5/24/2024 05:44 PM**

Client ID: Run ID: **VMS5_240524A** SeqNo: **3401182** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	43.24	5.0	50	0	86.5	66.9-140	44.73	3.39	20	
1,1-Dichloroethene	45.13	5.0	50	0	90.3	41.4-161	45.58	0.986	20	
1,2-Dichloroethane	44.1	5.0	50	0	88.2	58.9-137	45.43	2.98	20	
1,3-Dichlorobenzene	26.3	5.0	50	0	52.6	42.5-150	31.05	16.6	20	
1,4-Dichlorobenzene	24.9	5.0	50	0	49.8	52.1-137	29.47	16.8	20	S
Benzene	41.82	5.0	50	0	83.6	35.8-162	43.24	3.35	20	
Carbon tetrachloride	43.39	5.0	50	0	86.8	53.2-137	45.39	4.52	20	
Chlorobenzene	33.15	5.0	50	0	66.3	65.6-137	37.06	11.1	20	
Chloroform	41.4	5.0	50	0	82.8	63.6-147	43.2	4.23	20	
cis-1,2-Dichloroethene	42.01	5.0	50	0	84	52.9-138	43.77	4.1	20	
Ethylbenzene	36.13	5.0	50	0	72.3	57.5-134	39.48	8.86	20	
m,p-Xylene	73.11	5.0	100	0	73.1	56.4-135	81.12	10.4	20	
Styrene	34.58	5.0	50	0	69.2	60.9-135	38.88	11.7	20	
Tetrachloroethene	25.35	5.0	50	0	50.7	28.3-109	28.06	10.1	20	
Toluene	37.92	5.0	50	0	75.8	67.7-135	40.68	7.03	20	
Trichloroethene	37.8	5.0	50	0	75.6	56.5-136	40.58	7.09	20	
Surr: 4-Bromofluorobenzene	*50.12*	0	*50*	0	*100*	*60-140*	50.19	*0.152*		
Surr: Dibromofluoromethane	*50.68*	0	*50*	0	*101*	*60-140*	48.9	*3.59*		
Surr: Toluene-d8	*50.66*	0	*50*	0	*101*	*60-140*	50.22	*0.886*		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **99054** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **24050665-01AMSD** Units: **µg/Kg** Analysis Date: **5/28/2024 11:17 AM**

Client ID: Run ID: **VMS5_240528A** SeqNo: **3401828** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	37.78	5.0	50	0	75.6	66.9-140	32.61	14.7	20	
1,1-Dichloroethene	42.74	5.0	50	0	85.5	41.4-161	39.51	7.87	20	
1,2-Dichloroethane	40.77	5.0	50	0	81.5	58.9-137	34.51	16.6	20	
1,3-Dichlorobenzene	32.49	5.0	50	0	65	42.5-150	30.54	6.18	20	
1,4-Dichlorobenzene	32.06	5.0	50	0	64.1	52.1-137	29.2	9.35	20	
Benzene	39.41	5.0	50	0	78.8	35.8-162	35	11.9	20	
Carbon tetrachloride	38.3	5.0	50	0	76.6	53.2-137	33.53	13.3	20	
Chlorobenzene	36.4	5.0	50	0	72.8	65.6-137	32.05	12.7	20	
Chloroform	39.98	5.0	50	0	80	63.6-147	34.32	15.2	20	
cis-1,2-Dichloroethene	41.31	5.0	50	0	82.6	52.9-138	36.32	12.9	20	
Ethylbenzene	37.54	5.0	50	0	75.1	57.5-134	32.64	14	20	
m,p-Xylene	78.3	5.0	100	0	78.3	56.4-135	67.68	14.5	20	
Styrene	39.5	5.0	50	0	79	60.9-135	34.78	12.7	20	
Tetrachloroethene	26.13	5.0	50	0	52.3	28.3-109	22.88	13.3	20	
Toluene	38.96	5.0	50	0	77.9	67.7-135	33.86	14	20	
Trichloroethene	38.33	5.0	50	0	76.7	56.5-136	33.66	13	20	
Surr: 4-Bromofluorobenzene	*49.24*	0	*50*	0	*98.5*	*60-140*	50.53	*2.59*		
Surr: Dibromofluoromethane	*50.38*	0	*50*	0	*101*	*60-140*	49.53	*1.69*		
Surr: Toluene-d8	*50.78*	0	*50*	0	*102*	*60-140*	50.59	*0.375*		

The following samples were analyzed in this batch:

24050737-48A	24050737-49A	24050737-50A
24050737-51A	24050737-52A	24050737-53A
24050737-54A	24050737-55A	24050737-56A
24050737-57A	24050737-58A	24050737-59A
24050737-60A	24050737-61A	24050737-62A
24050737-63A	24050737-65A	24050737-66A
24050737-67A	24050737-68A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **R229810** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **MBLK-R229810** Units: **µg/L** Analysis Date: **5/22/2024 01:56 PM**

Client ID: Run ID: **VMS6_240522A** SeqNo: **3397808** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.042	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	0.61	5.0								J
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	0.494	5.0								J
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R229810** Instrument ID **VMS6** Method: **SW8260B**

Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	10						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	5.0						
Naphthalene	ND	5.0						
n-Butylbenzene	ND	5.0						
n-Propylbenzene	0.765	5.0						J
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	2.0						
Xylenes, Total	ND	15						
Surr: 4-Bromofluorobenzene	*53.04*	0	*50*	0	*106*	*61-131*	0	
Surr: Dibromofluoromethane	*45.61*	0	*50*	0	*91.2*	*72-137*	0	
Surr: Toluene-d8	*51.85*	0	*50*	0	*104*	*93.7-124*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **R229810** Instrument ID **VMS6** Method: **SW8260B**

LCS Sample ID: **LCS-R229810** Units: **µg/L** Analysis Date: **5/22/2024 10:51 AM**

Client ID: Run ID: **VMS6_240522A** SeqNo: **3397805** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	60.25	5.0	50	0	121	48.4-140	0			
1,1-Dichloroethene	54.24	5.0	50	0	108	45.5-150	0			
1,2-Dichloroethane	57.63	5.0	50	0	115	46.5-141	0			
1,3-Dichlorobenzene	51.57	5.0	50	0	103	42.5-133	0			
1,4-Dichlorobenzene	50.14	5.0	50	0	100	38.9-136	0			
Benzene	49.03	5.0	50	0	98.1	50.7-134	0			
Carbon tetrachloride	62.86	5.0	50	0	126	45.5-143	0			
Chlorobenzene	44.6	5.0	50	0	89.2	45-133	0			
Chloroform	52.85	5.0	50	0	106	52.4-136	0			
cis-1,2-Dichloroethene	50.51	5.0	50	0	101	49.7-138	0			
Ethylbenzene	51.11	5.0	50	0	102	37.8-145	0			
m,p-Xylene	110.5	10	100	0	110	25.1-163	0			
Methyl tert-butyl ether	50.84	5.0	50	0	102	26.7-174	0			
Styrene	57.2	5.0	50	0	114	26.3-172	0			
Tetrachloroethene	33.86	5.0	50	0	67.7	37.3-139	0			
Toluene	41.82	5.0	50	0	83.6	44-135	0			
Trichloroethene	52.01	5.0	50	0	104	45.9-140	0			
Xylenes, Total	165.1	15	150	0	110	47.3-132	0			
Surr: 4-Bromofluorobenzene	*48.98*	0	*50*	0	*98*	*61-131*	0			
Surr: Dibromofluoromethane	*52.09*	0	*50*	0	*104*	*72-137*	0			
Surr: Toluene-d8	*47.53*	0	*50*	0	*95.1*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **R229810** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **24050884-01A MS** Units: **µg/L** Analysis Date: **5/22/2024 11:32 AM**

Client ID: Run ID: **VMS6_240522A** SeqNo: **3397806** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.09	5.0	50	0	114	40.4-134	0			
1,1-Dichloroethene	46.99	5.0	50	0	94	45.3-151	0			
1,2-Dichloroethane	50.66	5.0	50	0	101	37-139	0			
1,3-Dichlorobenzene	49.41	5.0	50	0	98.8	42.9-121	0			
1,4-Dichlorobenzene	46.44	5.0	50	0	92.9	53.4-129	0			
Benzene	44.24	5.0	50	0	88.5	37.4-144	0			
Carbon tetrachloride	57.6	5.0	50	0	115	33.8-150	0			
Chlorobenzene	41.21	5.0	50	0	82.4	52.4-132	0			
Chloroform	44.57	5.0	50	0	89.1	45.5-135	0			
cis-1,2-Dichloroethene	42.14	5.0	50	0	84.3	35.2-150	0			
Ethylbenzene	47.54	5.0	50	0	95.1	46.5-146	0			
m,p-Xylene	99.86	10	100	0	99.9	38.2-167	0			
Styrene	51.31	5.0	50	0	103	20.9-184	0			
Tetrachloroethene	35.94	5.0	50	0	71.9	55.2-134	0			
Toluene	38.99	5.0	50	0	78	32.7-140	0			
Trichloroethene	45.56	5.0	50	0	91.1	29.1-153	0			
Xylenes, Total	147.1	15	150	0	98.1	43.6-148	0			
Surr: 4-Bromofluorobenzene	*51.61*	0	*50*	0	*103*	*61-131*	0			
Surr: Dibromofluoromethane	*50.77*	0	*50*	0	*102*	*72-137*	0			
Surr: Toluene-d8	*50.37*	0	*50*	0	*101*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24050737
Project: Euclid-Woodlawn Redevelopment; 2296-16

QC BATCH REPORT

Batch ID: **R229810** Instrument ID **VMS6** Method: **SW8260B**

MSD Sample ID: **24050884-01A MSD** Units: **µg/L** Analysis Date: **5/22/2024 11:53 AM**

Client ID: Run ID: **VMS6_240522A** SeqNo: **3397807** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	52.87	5.0	50	0	106	40.4-134	57.09	7.68	20	
1,1-Dichloroethene	43.98	5.0	50	0	88	45.3-151	46.99	6.6	20	
1,2-Dichloroethane	49.95	5.0	50	0	99.9	37-139	50.66	1.42	20	
1,3-Dichlorobenzene	44.16	5.0	50	0	88.3	42.9-121	49.41	11.2	20	
1,4-Dichlorobenzene	42.26	5.0	50	0	84.5	53.4-129	46.44	9.44	20	
Benzene	43.19	5.0	50	0	86.4	37.4-144	44.24	2.39	20	
Carbon tetrachloride	55.12	5.0	50	0	110	33.8-150	57.6	4.41	20	
Chlorobenzene	40.28	5.0	50	0	80.6	52.4-132	41.21	2.29	20	
Chloroform	43.45	5.0	50	0	86.9	45.5-135	44.57	2.53	20	
cis-1,2-Dichloroethene	41.36	5.0	50	0	82.7	35.2-150	42.14	1.85	20	
Ethylbenzene	45.53	5.0	50	0	91.1	46.5-146	47.54	4.32	20	
m,p-Xylene	91.83	10	100	0	91.8	38.2-167	99.86	8.39	20	
Styrene	48.93	5.0	50	0	97.9	20.9-184	51.31	4.76	20	
Tetrachloroethene	34.14	5.0	50	0	68.3	55.2-134	35.94	5.13	20	
Toluene	38.62	5.0	50	0	77.2	32.7-140	38.99	0.966	20	
Trichloroethene	44.64	5.0	50	0	89.3	29.1-153	45.56	2.03	20	
Xylenes, Total	137.1	15	150	0	91.4	43.6-148	147.1	7.02	20	
Surr: 4-Bromofluorobenzene	*46.95*	0	*50*	0	*93.9*	*61-131*	51.61	*9.46*		
Surr: Dibromofluoromethane	*48.5*	0	*50*	0	*97*	*72-137*	50.77	*4.57*		
Surr: Toluene-d8	*50.84*	0	*50*	0	*102*	*93.7-124*	50.37	*0.935*		

The following samples were analyzed in this batch:

24050737-31A	24050737-64A	24050737-75A
24050737-76A	24050737-77A	24050737-78A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 30-May-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid-Woodlawn Redevelopment; 2296-16
WorkOrder: **24050737**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
% of sample	
µg/L	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **PARTNERS-SOLON** Date/Time Received: **16-May-24 12:45**

Work Order: **24050737** Received by: **AB1**

Checklist completed by Alec Bolender (eSignature) 16-May-24 (Date) Reviewed by: Rob Nieman (eSignature) 22-May-24 (Date)

Matrices: soil; water

Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.6	120489	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☑	No ☐	No VOA vials submitted ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

Page 1 of 8

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REV 10/2017

Ship To: ALS | Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/13/24
Company Name: Partners
Address: 31000 Solon Rd
City: Solon State: OH Zip: 44139
Person to Contact: Jerry Kendle
Email Address: jkendle@partnersenv.com
Telephone (402): 202-45-80
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: Euclid-Woodlawn Redevelopment site
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOC, SVOC, metals
1	A-1 (0-2)	5/13/24	930		S	4	X	
2	A-1 (2-4)		930			6	X	X
3	A-2 (4-6)		950			4	X	
4	A-2 (6-8)		950			6	X	X
5	A-3 (4-6)		1010			6	X	X
6	A-3 (6-8)		1010			4	X	
7	A-4 (4-6)		1030			4	X	
8	A-4 (8-10)		1030			6	X	X
9	A-5 (4-6)		1105			6	X	X
10	A-5 (6-8)		1105			4	X	

Notes: Hold ALL TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Time / Date	Received By: (Signature)	Time / Date
1625 5/15	[signature]	16:30 5/15/24
Time / Date	Received By: (Signature)	Time / Date
	[signature] ALS	5/16/24 1245
Time / Date	Received By: (Signature)	Time / Date

ALS LAB USE ONLY 120489

COOLER TEMP: 5.6 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Field Chain-of-Custody Record

Page 2 of 8

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REV 10/2017

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/13/24 Purchase Order No.: _____
Company Name: Partners environmental Project No.: 2296.16
Address: 31000 Solon Rd Sampling Site: Euclid woodlawn
Solon (City) OH (State) 44139 (Zip) Redevelopment site
Person to Contact: Jeremy Kindle Billing Address (if different): OEPA DERR
Email Address: jkindle@partnersenv.com
Telephone ( ): _____
Alternate Contact: _____

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs, SVOCs, metals								
11	C-1 (2-4)	5/13/24	1345		S	6	X	X								
12	C-1 (4-6)		1345			4	X									
13	C-2 (2-4)		1405			4	X									
14	C-2 (6-8)		1405			6	X	X								
15	C-3 (4-6)		1430			4	X									
16	C-3 (8-10)		1430			6	X	X								
17	C-4 (4-6)		1450			4	X									
18	C-4 (6-8)		1450			6	X	X								
19	C-5 (6-8)		1510			4	X									
20	C-5 (8-10)		1510			6	X	X								

Notes: Hold ALL TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	1625 5/15	[signature]	1625 5/15/24
[signature]	Time / Date	[signature]	Time / Date 5/16/24 1245
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

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REV 10/2017

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/13/24
Company Name: Partners
Address: 31100 Solon Rd
Solon (City) OH (State) 44139 (Zip)
Person to Contact: Jeremy Kendle
Email Address: j.kendle@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: Euclid Woodlawn Redevelopment Site
Billing Address (if different): OEPA DERR

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs, SVOCs, Metals								
21	B-5 (2-4)	5/13/24	1120		S	6	X	X								
22	B-5 (4-6)		1120			4	X									
23	B-4 (2-4)		1155			4	X									
24	B-4 (4-6)		1155			6	X	X								
25	B-3 (2-4)		1250			6	X	X								
26	B-3 (4-6)		1250			4	X									
27	B-2 (4-6)		1310			4	X									
28	B-2 (6-8)		1310			6	X	X								
29	B-1 (4-6)		1330			4	X									
30	B-1 (8-10)		1330			6	X	X								

Notes: Hold All TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	1625 5/15	[signature]	1625 5/15
[signature]	Time / Date	[signature]	Time / Date 5/16/24 1245
Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 4 of 8

79763

REV 10/2017

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/13/24
Company Name: Partners
Address: 31000 Solon Road
Solon (City) OH (State) 44139 (Zip)
Person to Contact: Jeremy Kerde
Email Address: jkerde@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: Euclid-Woodlawn Redevelopment site
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOC, SVOC, metals								
31	Trip Blank Lab Prepared	—	—	1	W	1	X									
32	0.5-4.5 (2-4)	5/14/24	915	4	S	4	X									
33	0.5-4.5 (4-6)	↓	915	4	↓	6	X	X								
34	D-5 (0-2)	↓	940	↓	↓	4	X									
35	D-5 (2-4)	↓	940	↓	↓	6	X	X								
36	D-4 (4-6)	↓	955	↓	↓	6	X	X								
37	D-4 (6-8)	↓	955	↓	↓	4	X									
38	D-3 (4-6)	↓	1010	↓	↓	6	X	X								
39	D-3 (6-8)	↓	1010	↓	↓	4	X									
40	D-2 (4-6)	↓	1030	↓	↓	6	X	X								

Notes: Hold ALL TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	1625 5/15	[signature]	1625 5/15/24
[signature]	315	[signature]	5/16/24 1245

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 5 of 8

79857

REV 10/2017

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/14/24
Company Name: Partners
Address: 31100 Solon Rd
Solon (City) OH (State) 44139 (Zip)
Person to Contact: Jeremy Kendle
Email Address: jkendle@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: Euclid-Woodlawn Redevelopment site
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs, SVOCs, metals								
41	D-2 (6-8)	5/14/24	1030		S	4	X									
42	D-1 (2-4)		1045			4	X									
43	D-1 (4-6)		1045			6	X	X								
44	E-1 (0-2)		1100			4	X									
45	E-1 (4-6)		1100			6	X	X								
46	E-2 (2-4)		1125			6	X	X								
47	E-2 (6-8)		1125			4	X									
48	D.5-2.5 (2-4)		1140			4	X									
49	D.5-2.5 (6-8)		1140			6	X	X								
50	E-3 (2-4)		1245			6	X	X								

Notes: Hold All TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	1625 5/15	[signature]	1625 5/15/24
[signature]	5/15/24	[signature]	5/16/24 1245

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Field Chain-of-Custody Record

Page 5 of 8

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REV 10/2017

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/14/24
Company Name: Partners
Address: 31100 Solon Rd.
Solon (City) OH (State) 44139 (Zip)
Person to Contact: Jeremy Kendle
Email Address: jkendle@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: Euclid-Woodlawn Redevelopment Site
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs, SVOCs, metals								
S1	E-3 (6-8)	5/14/24	1245		S	4	X									
S2	E-4 (4-6)		1300			4	X									
S3	E-4 (8-10)		1300			6	X	X								
S4	E-5 (2-4)		1315			6	X	X								
S5	E-5 (6-8)		1315			4	X									
S6	D.5-4.5 (2-4)		1330			4	X									
S7	D.5-4.5 (4-6)		1330			6	X	X								
S8	F-5 (4-6)		1430			6	X	X								
S9	F-5 (6-8)		1430			4	X									
60	Dup 1		—			4	X									

Notes: Hold All TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	1625 5/15	[signature]	1625 5/15/24
[signature]	1625 5/15	[signature]	5/16 1205

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Field Chain-of-Custody Record

Page 3 of 8

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REV 10/2017

Ship To: ALS | Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date)
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/14/24
Company Name: Partners
Address: 31100 Solon Road
Solon (City) OH (State) 44139 (Zip)
Person to Contact: Jeremy Kendle
Email Address: jkendle@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: Euclid-Woodlawn Redevelopment Site
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs, SVOCs, metals								
61	F-4 (6-8)	5/14/24	1450		S	6	X	X								
62	F-4 (8-10)	↓	1450			4	X									
63	Dup 2	↓	—			4	X									
64	Trip Blank 2 Lab Prepared	—	—			1	X									
65	F-3 (8-10)	5/15	920			4	X									
66	F-3 (6-8)	↓	920			6	X	X								
67	E.5-2.5 (2-4)	↓	940			4	X									
68	E.5-2.5 (6-8)	↓	940			6	X	X								
69	Dup 3	↓	—			4	X									
70	F-2 (4-6)	↓	1000			4	X									

Notes: Hold all TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	1625 5/15	[signature]	16:25 5/15/24
[signature]	5/16/24	[signature]	5/16/24 1245

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 8 of 8

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REV 10/2017

24050737

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 5/15/24
Company Name: Partners
Address: 31100 Solon Rd
Solon (City) OH (State) 44139 (Zip)
Person to Contact: Jeremy Kendle
Email Address: jkendle@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: Euclid-Woodlawn Redevelopment site
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP Volatiles, Metals								
71	F-2 (6-8)	5/15	1000		S	6	X	X								
72	Dup 4	↓	—		↓	4	X									
73	F-1 (2-4)	↓	1020		↓	4	X									
74	F-1 (4-6)	↓	1020		↓	6	X	X								
75	EQ Blank 1	5/13	1000		W	2	X									
76	EQ Blank 2	5/14	930		↓	2	X									
77	EQ Blank 3	5/15	1100		↓	2	X									

Notes: Hold ALL TCLP Samples

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	5/15 1630	[signature]	10-25 5/15/24
[signature]	5/15/24	[signature]	5/16/24 1245

ALS LAB USE ONLY

COOLER TEMP: °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

21-Jun-2024

Halle Miller
Partners Environmental Consulting, Inc.
31100 Solon Rd.
Suite G
Solon, OH 44139

Re: **Euclid Woodlawn Redev; 2296.16** Work Order: **24060278**

Dear Halle,

ALS Environmental received 6 samples on 07-Jun-2024 02:00 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 28.

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

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 21-Jun-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16
Work Order: **24060278**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24060278-01	PMW-200-6-8'	Soil		6/5/2024 10:35	6/7/2024 14:00	☐
24060278-02	PMW-200-8-10'	Soil		6/5/2024 10:35	6/7/2024 14:00	☐
24060278-03	PMW-201-2-4'	Soil		6/5/2024 12:25	6/7/2024 14:00	☐
24060278-04	PMW-201-8-10'	Soil		6/5/2024 12:35	6/7/2024 14:00	☐
24060278-05	PMW-202-6-8'	Soil		6/5/2024 13:55	6/7/2024 14:00	☐
24060278-06	PMW-202-10-12'	Soil		6/5/2024 13:55	6/7/2024 14:00	☐

ALS Environmental

Date: 21-Jun-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16
Work Order: 24060278

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-200-6-8' **Lab ID:** 24060278-01
Collection Date: 6/5/2024 10:35 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	6/14/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,1,1-Trichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,1,2,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,1,2-Trichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,1-Dichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,1-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,1-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2,3-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2,3-Trichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2,4-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2,4-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2-Dibromo-3-chloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2-Dibromoethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2-Dichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,3,5-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,3-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,3-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
1,4-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
2,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
2-Butanone	ND		0.056	mg/Kg-dry	1	6/18/2024 12:05 AM
2-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
2-Hexanone	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
4-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
4-Methyl-2-pentanone	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Acetone	ND		0.056	mg/Kg-dry	1	6/18/2024 12:05 AM
Benzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Bromobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Bromochloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Bromodichloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Bromoform	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Bromomethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Carbon disulfide	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Carbon tetrachloride	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Chlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-200-6-8' **Lab ID:** 24060278-01
Collection Date: 6/5/2024 10:35 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Chloroform	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Chloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
cis-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
cis-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Dibromochloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Dibromomethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Dichlorodifluoromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Ethylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Hexachlorobutadiene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Isopropylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/18/2024 12:05 AM
Methyl tert-butyl ether	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Methylene chloride	ND		0.022	mg/Kg-dry	1	6/18/2024 12:05 AM
Naphthalene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
n-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
n-Propylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
o-Xylene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
p-Isopropyltoluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
sec-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Styrene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
tert-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Tetrachloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Toluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
trans-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
trans-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Trichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Trichlorofluoromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Vinyl chloride	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:05 AM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/18/2024 12:05 AM
Surr: 4-Bromofluorobenzene	*98.4*		*78.9-128*	*%REC*	1	6/18/2024 12:05 AM
Surr: Dibromofluoromethane	*109*		*79.1-140*	*%REC*	1	6/18/2024 12:05 AM
Surr: Toluene-d8	*100*		*84.5-124*	*%REC*	1	6/18/2024 12:05 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-200-8-10' **Lab ID:** 24060278-02
Collection Date: 6/5/2024 10:35 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**16**			**% of sample**	1	6/14/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,1,1-Trichloroethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,1,2,2-Tetrachloroethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,1,2-Trichloroethane	**0.0071**		**0.0060**	**mg/Kg-dry**	1	6/18/2024 12:21 AM
1,1-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,1-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,1-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2,3-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2,3-Trichloropropane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2,4-Trichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2,4-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2-Dibromo-3-chloropropane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2-Dibromoethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2-Dichloroethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,3,5-Trimethylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,3-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,3-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
1,4-Dichlorobenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
2,2-Dichloropropane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
2-Butanone	ND		0.060	mg/Kg-dry	1	6/18/2024 12:21 AM
2-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
2-Hexanone	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
4-Chlorotoluene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
4-Methyl-2-pentanone	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Acetone	ND		0.060	mg/Kg-dry	1	6/18/2024 12:21 AM
Benzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Bromobenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Bromochloromethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Bromodichloromethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Bromoform	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Bromomethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Carbon disulfide	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Carbon tetrachloride	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Chlorobenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-200-8-10' **Lab ID:** 24060278-02
Collection Date: 6/5/2024 10:35 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Chloroform	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Chloromethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
cis-1,2-Dichloroethene	**0.035**		**0.0060**	**mg/Kg-dry**	1	6/18/2024 12:21 AM
cis-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Dibromochloromethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Dibromomethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Dichlorodifluoromethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Ethylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Hexachlorobutadiene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Isopropylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
m,p-Xylene	ND		0.012	mg/Kg-dry	1	6/18/2024 12:21 AM
Methyl tert-butyl ether	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Methylene chloride	ND		0.024	mg/Kg-dry	1	6/18/2024 12:21 AM
Naphthalene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
n-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
n-Propylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
o-Xylene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
p-Isopropyltoluene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
sec-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Styrene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
tert-Butylbenzene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Tetrachloroethene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Toluene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
trans-1,2-Dichloroethene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
trans-1,3-Dichloropropene	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Trichloroethene	**4.0**		**0.60**	**mg/Kg-dry**	100	6/18/2024 03:58 PM
Trichlorofluoromethane	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Vinyl chloride	ND		0.0060	mg/Kg-dry	1	6/18/2024 12:21 AM
Xylenes, Total	ND		0.018	mg/Kg-dry	1	6/18/2024 12:21 AM
Surr: 4-Bromofluorobenzene	*100*		*78.9-128*	*%REC*	1	6/18/2024 12:21 AM
Surr: Dibromofluoromethane	*111*		*79.1-140*	*%REC*	1	6/18/2024 12:21 AM
Surr: Toluene-d8	*90.7*		*84.5-124*	*%REC*	1	6/18/2024 12:21 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-201-2-4' **Lab ID:** 24060278-03
Collection Date: 6/5/2024 12:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	6/14/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,1,1-Trichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,1,2,2-Tetrachloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,1,2-Trichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,1-Dichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,1-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,1-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2,3-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2,3-Trichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2,4-Trichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2,4-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2-Dibromo-3-chloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2-Dibromoethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2-Dichloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,3,5-Trimethylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,3-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,3-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
1,4-Dichlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
2,2-Dichloropropane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
2-Butanone	ND		0.056	mg/Kg-dry	1	6/18/2024 12:37 AM
2-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
2-Hexanone	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
4-Chlorotoluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
4-Methyl-2-pentanone	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Acetone	ND		0.056	mg/Kg-dry	1	6/18/2024 12:37 AM
Benzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Bromobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Bromochloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Bromodichloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Bromoform	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Bromomethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Carbon disulfide	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Carbon tetrachloride	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Chlorobenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-201-2-4' **Lab ID:** 24060278-03
Collection Date: 6/5/2024 12:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Chloroform	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Chloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
cis-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
cis-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Dibromochloromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Dibromomethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Dichlorodifluoromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Ethylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Hexachlorobutadiene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Isopropylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/18/2024 12:37 AM
Methyl tert-butyl ether	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Methylene chloride	ND		0.023	mg/Kg-dry	1	6/18/2024 12:37 AM
Naphthalene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
n-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
n-Propylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
o-Xylene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
p-Isopropyltoluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
sec-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Styrene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
tert-Butylbenzene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Tetrachloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Toluene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
trans-1,2-Dichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
trans-1,3-Dichloropropene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Trichloroethene	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Trichlorofluoromethane	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Vinyl chloride	ND		0.0056	mg/Kg-dry	1	6/18/2024 12:37 AM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/18/2024 12:37 AM
Surr: 4-Bromofluorobenzene	*98.8*		*78.9-128*	*%REC*	1	6/18/2024 12:37 AM
Surr: Dibromofluoromethane	*108*		*79.1-140*	*%REC*	1	6/18/2024 12:37 AM
Surr: Toluene-d8	*101*		*84.5-124*	*%REC*	1	6/18/2024 12:37 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-201-8-10' **Lab ID:** 24060278-04
Collection Date: 6/5/2024 12:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	6/14/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,1,1-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,1,2,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,1,2-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,1-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,1-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,1-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2,3-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2,3-Trichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2,4-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2,4-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2-Dibromo-3-chloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2-Dibromoethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,3,5-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,3-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,3-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
1,4-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
2,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
2-Butanone	ND		0.057	mg/Kg-dry	1	6/18/2024 12:53 AM
2-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
2-Hexanone	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
4-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
4-Methyl-2-pentanone	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Acetone	ND		0.057	mg/Kg-dry	1	6/18/2024 12:53 AM
Benzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Bromobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Bromochloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Bromodichloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Bromoform	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Bromomethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Carbon disulfide	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Carbon tetrachloride	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Chlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-201-8-10' **Lab ID:** 24060278-04
Collection Date: 6/5/2024 12:35 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Chloroform	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Chloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
cis-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
cis-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Dibromochloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Dibromomethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Dichlorodifluoromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Ethylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Hexachlorobutadiene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Isopropylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/18/2024 12:53 AM
Methyl tert-butyl ether	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Methylene chloride	ND		0.023	mg/Kg-dry	1	6/18/2024 12:53 AM
Naphthalene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
n-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
n-Propylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
o-Xylene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
p-Isopropyltoluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
sec-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Styrene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
tert-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Tetrachloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Toluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
trans-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
trans-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Trichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Trichlorofluoromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Vinyl chloride	ND		0.0057	mg/Kg-dry	1	6/18/2024 12:53 AM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/18/2024 12:53 AM
Surr: 4-Bromofluorobenzene	*95.4*		*78.9-128*	*%REC*	1	6/18/2024 12:53 AM
Surr: Dibromofluoromethane	*110*		*79.1-140*	*%REC*	1	6/18/2024 12:53 AM
Surr: Toluene-d8	*99.8*		*84.5-124*	*%REC*	1	6/18/2024 12:53 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-202-6-8' **Lab ID:** 24060278-05
Collection Date: 6/5/2024 01:55 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**15**			**% of sample**	1	6/14/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,1,1-Trichloroethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,1,2,2-Tetrachloroethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,1,2-Trichloroethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,1-Dichloroethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,1-Dichloroethene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,1-Dichloropropene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2,3-Trichlorobenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2,3-Trichloropropane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2,4-Trichlorobenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2,4-Trimethylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2-Dibromo-3-chloropropane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2-Dibromoethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2-Dichloroethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,2-Dichloropropane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,3,5-Trimethylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,3-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,3-Dichloropropane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
1,4-Dichlorobenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
2,2-Dichloropropane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
2-Butanone	ND		0.059	mg/Kg-dry	1	6/18/2024 01:09 AM
2-Chlorotoluene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
2-Hexanone	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
4-Chlorotoluene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
4-Methyl-2-pentanone	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Acetone	ND		0.059	mg/Kg-dry	1	6/18/2024 01:09 AM
Benzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Bromobenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Bromochloromethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Bromodichloromethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Bromoform	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Bromomethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Carbon disulfide	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Carbon tetrachloride	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Chlorobenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-202-6-8' **Lab ID:** 24060278-05
Collection Date: 6/5/2024 01:55 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Chloroform	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Chloromethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
cis-1,2-Dichloroethene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
cis-1,3-Dichloropropene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Dibromochloromethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Dibromomethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Dichlorodifluoromethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Ethylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Hexachlorobutadiene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Isopropylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
m,p-Xylene	ND		0.012	mg/Kg-dry	1	6/18/2024 01:09 AM
Methyl tert-butyl ether	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Methylene chloride	ND		0.024	mg/Kg-dry	1	6/18/2024 01:09 AM
Naphthalene	**0.013**		**0.0059**	**mg/Kg-dry**	1	6/18/2024 01:09 AM
n-Butylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
n-Propylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
o-Xylene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
p-Isopropyltoluene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
sec-Butylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Styrene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
tert-Butylbenzene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Tetrachloroethene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Toluene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
trans-1,2-Dichloroethene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
trans-1,3-Dichloropropene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Trichloroethene	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Trichlorofluoromethane	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Vinyl chloride	ND		0.0059	mg/Kg-dry	1	6/18/2024 01:09 AM
Xylenes, Total	ND		0.018	mg/Kg-dry	1	6/18/2024 01:09 AM
Surr: 4-Bromofluorobenzene	*98.1*		*78.9-128*	*%REC*	1	6/18/2024 01:09 AM
Surr: Dibromofluoromethane	*92.6*		*79.1-140*	*%REC*	1	6/18/2024 01:09 AM
Surr: Toluene-d8	*101*		*84.5-124*	*%REC*	1	6/18/2024 01:09 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-202-10-12' **Lab ID:** 24060278-06
Collection Date: 6/5/2024 01:55 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	6/14/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,1,1-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,1,2,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,1,2-Trichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,1-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,1-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,1-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2,3-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2,3-Trichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2,4-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2,4-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2-Dibromo-3-chloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2-Dibromoethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2-Dichloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,3,5-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,3-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,3-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
1,4-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
2,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
2-Butanone	ND		0.057	mg/Kg-dry	1	6/18/2024 01:25 AM
2-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
2-Hexanone	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
4-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
4-Methyl-2-pentanone	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Acetone	ND		0.057	mg/Kg-dry	1	6/18/2024 01:25 AM
Benzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Bromobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Bromochloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Bromodichloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Bromoform	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Bromomethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Carbon disulfide	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Carbon tetrachloride	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Chlorobenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM

Note:

ALS Environmental

Date: *21-Jun-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16 **Work Order:** 24060278
Sample ID: PMW-202-10-12' **Lab ID:** 24060278-06
Collection Date: 6/5/2024 01:55 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Chloroform	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Chloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
cis-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
cis-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Dibromochloromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Dibromomethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Dichlorodifluoromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Ethylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Hexachlorobutadiene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Isopropylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
m,p-Xylene	ND		0.011	mg/Kg-dry	1	6/18/2024 01:25 AM
Methyl tert-butyl ether	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Methylene chloride	ND		0.023	mg/Kg-dry	1	6/18/2024 01:25 AM
Naphthalene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
n-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
n-Propylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
o-Xylene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
p-Isopropyltoluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
sec-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Styrene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
tert-Butylbenzene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Tetrachloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Toluene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
trans-1,2-Dichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
trans-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Trichloroethene	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Trichlorofluoromethane	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Vinyl chloride	ND		0.0057	mg/Kg-dry	1	6/18/2024 01:25 AM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	6/18/2024 01:25 AM
Surr: 4-Bromofluorobenzene	*103*		*78.9-128*	*%REC*	1	6/18/2024 01:25 AM
Surr: Dibromofluoromethane	*96.3*		*79.1-140*	*%REC*	1	6/18/2024 01:25 AM
Surr: Toluene-d8	*102*		*84.5-124*	*%REC*	1	6/18/2024 01:25 AM

Note:

ALS Environmental

Date: 21-Jun-24

Client: Partners Environmental Consulting, Inc.

Work Order: 24060278

Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230765** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLANK-R230765** Units: **µg/Kg** Analysis Date: **6/17/2024 08:20 PM**

Client ID: Run ID: **VMS5_240617B** SeqNo: **3424352** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R230765** Instrument ID **VMS5** Method: **SW8260B**

Dibromochloromethane	ND	5.0					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
Surr: 4-Bromofluorobenzene	*49.86*	0	*50*	0	*99.7*	*78.9-128*	0
Surr: Dibromofluoromethane	*52.69*	0	*50*	0	*105*	*79.1-140*	0
Surr: Toluene-d8	*50.22*	0	*50*	0	*100*	*84.5-124*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060278
Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230765** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCS2-R230765** Units: **µg/Kg** Analysis Date: **6/17/2024 07:16 PM**

Client ID: Run ID: **VMS5_240617B** SeqNo: **3424349** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	43.6	5.0	50	0	87.2	53.6-149	0			
1,1-Dichloroethene	47.09	5.0	50	0	94.2	38.8-176	0			
1,2-Dichloroethane	44.06	5.0	50	0	88.1	54.4-145	0			
1,3-Dichlorobenzene	40.34	5.0	50	0	80.7	58.4-144	0			
1,4-Dichlorobenzene	39.51	5.0	50	0	79	55.3-144	0			
Benzene	43.82	5.0	50	0	87.6	56-148	0			
Carbon tetrachloride	44.7	5.0	50	0	89.4	51.9-151	0			
Chlorobenzene	42.88	5.0	50	0	85.8	55.4-137	0			
Chloroform	43.23	5.0	50	0	86.5	51.1-147	0			
cis-1,2-Dichloroethene	43.71	5.0	50	0	87.4	47.6-149	0			
Ethylbenzene	43.3	5.0	50	0	86.6	55.8-142	0			
m,p-Xylene	89.62	10	100	0	89.6	57.6-141	0			
Styrene	44.89	5.0	50	0	89.8	59.6-143	0			
Tetrachloroethene	34.59	5.0	50	0	69.2	35.6-132	0			
Toluene	42.88	5.0	50	0	85.8	56-143	0			
Trichloroethene	43.25	5.0	50	0	86.5	56.5-143	0			
Surr: 4-Bromofluorobenzene	*48.76*	0	*50*	0	*97.5*	*78.9-128*	0			
Surr: Dibromofluoromethane	*50.09*	0	*50*	0	*100*	*79.1-140*	0			
Surr: Toluene-d8	*49.9*	0	*50*	0	*99.8*	*84.5-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060278
Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230765** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **24060510-03AMS** Units: **µg/Kg** Analysis Date: **6/17/2024 07:32 PM**

Client ID: Run ID: **VMS5_240617B** SeqNo: **3424350** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	35.2	5.0	50	0	70.4	66.9-140	0			
1,1-Dichloroethene	38.24	5.0	50	0	76.5	41.4-161	0			
1,2-Dichloroethane	38.79	5.0	50	0	77.6	58.9-137	0			
1,3-Dichlorobenzene	29.44	5.0	50	0	58.9	42.5-150	0			
1,4-Dichlorobenzene	29.7	5.0	50	0	59.4	52.1-137	0			
Benzene	35.39	5.0	50	0	70.8	35.8-162	0			
Carbon tetrachloride	37.03	5.0	50	0	74.1	53.2-137	0			
Chlorobenzene	33.9	5.0	50	0	67.8	65.6-137	0			
Chloroform	36.15	5.0	50	0	72.3	63.6-147	0			
cis-1,2-Dichloroethene	35.29	5.0	50	0	70.6	52.9-138	0			
Ethylbenzene	34.2	5.0	50	0	68.4	57.5-134	0			
m,p-Xylene	70.99	10	100	0	71	56.4-135	0			
Styrene	35.14	5.0	50	0	70.3	60.9-135	0			
Tetrachloroethene	27.62	5.0	50	0	55.2	28.3-109	0			
Toluene	34.88	5.0	50	0	69.8	67.7-135	0			
Trichloroethene	34.68	5.0	50	0	69.4	56.5-136	0			
Surr: 4-Bromofluorobenzene	*50.13*	0	*50*	0	*100*	*78.9-128*	0			
Surr: Dibromofluoromethane	*50.43*	0	*50*	0	*101*	*79.1-140*	0			
Surr: Toluene-d8	*49.88*	0	*50*	0	*99.8*	*84.5-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060278
Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230765** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **24060510-03AMSD** Units: **µg/Kg** Analysis Date: **6/17/2024 07:48 PM**

Client ID: Run ID: **VMS5_240617B** SeqNo: **3424351** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	53.42	5.0	50	0	107	66.9-140	35.2	41.1	20	R
1,1-Dichloroethene	60.06	5.0	50	0	120	41.4-161	38.24	44.4	20	R
1,2-Dichloroethane	53.66	5.0	50	0	107	58.9-137	38.79	32.2	20	R
1,3-Dichlorobenzene	43.56	5.0	50	0	87.1	42.5-150	29.44	38.7	20	R
1,4-Dichlorobenzene	42.77	5.0	50	0	85.5	52.1-137	29.7	36.1	20	R
Benzene	53.35	5.0	50	0	107	35.8-162	35.39	40.5	20	R
Carbon tetrachloride	55.74	5.0	50	0	111	53.2-137	37.03	40.3	20	R
Chlorobenzene	50.21	5.0	50	0	100	65.6-137	33.9	38.8	20	R
Chloroform	54.55	5.0	50	0	109	63.6-147	36.15	40.6	20	R
cis-1,2-Dichloroethene	54.58	5.0	50	0	109	52.9-138	35.29	42.9	20	R
Ethylbenzene	51.68	5.0	50	0	103	57.5-134	34.2	40.7	20	R
m,p-Xylene	106.3	10	100	0	106	56.4-135	70.99	39.8	20	R
Styrene	51.78	5.0	50	0	104	60.9-135	35.14	38.3	20	R
Tetrachloroethene	40.41	5.0	50	0	80.8	28.3-109	27.62	37.6	20	R
Toluene	51.2	5.0	50	0	102	67.7-135	34.88	37.9	20	R
Trichloroethene	51.38	5.0	50	0	103	56.5-136	34.68	38.8	20	R
Surr: 4-Bromofluorobenzene	*49.83*	0	*50*	0	*99.7*	*78.9-128*	50.13	*0.616*		
Surr: Dibromofluoromethane	*50.99*	0	*50*	0	*102*	*79.1-140*	50.43	*1.1*		
Surr: Toluene-d8	*49.05*	0	*50*	0	*98.1*	*84.5-124*	49.88	*1.68*		

The following samples were analyzed in this batch:

24060278-01A	24060278-02A	24060278-03A
24060278-04A	24060278-05A	24060278-06A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060278
Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230797** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLANK-R230797** Units: **µg/Kg** Analysis Date: **6/18/2024 10:11 AM**

Client ID: Run ID: **VMS5_240618B** SeqNo: **3425322** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R230797** Instrument ID **VMS5** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	15					
Surr: 4-Bromofluorobenzene	*50.59*	0	*50*	0	*101*	*78.9-128*	0
Surr: Dibromofluoromethane	*53.02*	0	*50*	0	*106*	*79.1-140*	0
Surr: Toluene-d8	*50.53*	0	*50*	0	*101*	*84.5-124*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060278
Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230797** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCS-R230797** Units: **µg/Kg** Analysis Date: **6/18/2024 09:23 AM**

Client ID: Run ID: **VMS5_240618B** SeqNo: **3425320** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	50.32	5.0	50	0	101	53.6-149	0			
1,1-Dichloroethene	55.08	5.0	50	0	110	38.8-176	0			
1,2-Dichloroethane	48.88	5.0	50	0	97.8	54.4-145	0			
1,3-Dichlorobenzene	46.77	5.0	50	0	93.5	58.4-144	0			
1,4-Dichlorobenzene	46.26	5.0	50	0	92.5	55.3-144	0			
Benzene	48.74	5.0	50	0	97.5	56-148	0			
Carbon tetrachloride	53.33	5.0	50	0	107	51.9-151	0			
Chlorobenzene	47.49	5.0	50	0	95	55.4-137	0			
Chloroform	48.91	5.0	50	0	97.8	51.1-147	0			
cis-1,2-Dichloroethene	48.78	5.0	50	0	97.6	47.6-149	0			
Ethylbenzene	49.32	5.0	50	0	98.6	55.8-142	0			
m,p-Xylene	103.5	10	100	0	103	57.6-141	0			
Styrene	50.67	5.0	50	0	101	59.6-143	0			
Tetrachloroethene	39.92	5.0	50	0	79.8	35.6-132	0			
Toluene	47.42	5.0	50	0	94.8	56-143	0			
Trichloroethene	48.51	5.0	50	0	97	56.5-143	0			
Surr: 4-Bromofluorobenzene	*48.42*	0	*50*	0	*96.8*	*78.9-128*	0			
Surr: Dibromofluoromethane	*50.22*	0	*50*	0	*100*	*79.1-140*	0			
Surr: Toluene-d8	*49.71*	0	*50*	0	*99.4*	*84.5-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060278
Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230797** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **24060510-02AMS** Units: **µg/Kg** Analysis Date: **6/18/2024 10:27 AM**

Client ID: Run ID: **VMS5_240618B** SeqNo: **3425323** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	40.58	5.0	50	0	81.2	66.9-140	0			
1,1-Dichloroethene	43.02	5.0	50	0	86	41.4-161	0			
1,2-Dichloroethane	44.68	5.0	50	0	89.4	58.9-137	0			
1,3-Dichlorobenzene	34.48	5.0	50	0	69	42.5-150	0			
1,4-Dichlorobenzene	34.74	5.0	50	0	69.5	52.1-137	0			
Benzene	39.64	5.0	50	0	79.3	35.8-162	0			
Carbon tetrachloride	41.64	5.0	50	0	83.3	53.2-137	0			
Chlorobenzene	37.42	5.0	50	0	74.8	65.6-137	0			
Chloroform	41.51	5.0	50	0	83	63.6-147	0			
cis-1,2-Dichloroethene	39.39	5.0	50	0	78.8	52.9-138	0			
Ethylbenzene	37.21	5.0	50	0	74.4	57.5-134	0			
m,p-Xylene	76.79	10	100	0	76.8	56.4-135	0			
Styrene	38.84	5.0	50	0	77.7	60.9-135	0			
Tetrachloroethene	29.62	5.0	50	0	59.2	28.3-109	0			
Toluene	38.49	5.0	50	0	77	67.7-135	0			
Trichloroethene	38.28	5.0	50	0	76.6	56.5-136	0			
Surr: 4-Bromofluorobenzene	*49.02*	0	*50*	0	*98*	*78.9-128*	0			
Surr: Dibromofluoromethane	*51.53*	0	*50*	0	*103*	*79.1-140*	0			
Surr: Toluene-d8	*50.48*	0	*50*	0	*101*	*84.5-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060278
Project: Euclid Woodlawn Redev; 2296.16

QC BATCH REPORT

Batch ID: **R230797** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **24060510-02AMSD** Units: **µg/Kg** Analysis Date: **6/18/2024 09:55 AM**

Client ID: Run ID: **VMS5_240618B** SeqNo: **3425321** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.1	5.0	50	0	82.2	66.9-140	40.58	1.27	20	
1,1-Dichloroethene	43.33	5.0	50	0	86.7	41.4-161	43.02	0.723	20	
1,2-Dichloroethane	42.6	5.0	50	0	85.2	58.9-137	44.68	4.76	20	
1,3-Dichlorobenzene	34.71	5.0	50	0	69.4	42.5-150	34.48	0.668	20	
1,4-Dichlorobenzene	34.47	5.0	50	0	68.9	52.1-137	34.74	0.798	20	
Benzene	39.24	5.0	50	0	78.5	35.8-162	39.64	1.03	20	
Carbon tetrachloride	43.38	5.0	50	0	86.8	53.2-137	41.64	4.08	20	
Chlorobenzene	37.64	5.0	50	0	75.3	65.6-137	37.42	0.594	20	
Chloroform	41.26	5.0	50	0	82.5	63.6-147	41.51	0.604	20	
cis-1,2-Dichloroethene	39.83	5.0	50	0	79.7	52.9-138	39.39	1.1	20	
Ethylbenzene	38.26	5.0	50	0	76.5	57.5-134	37.21	2.78	20	
m,p-Xylene	79.58	10	100	0	79.6	56.4-135	76.79	3.56	20	
Styrene	39.56	5.0	50	0	79.1	60.9-135	38.84	1.84	20	
Tetrachloroethene	30.96	5.0	50	0	61.9	28.3-109	29.62	4.42	20	
Toluene	37.99	5.0	50	0	76	67.7-135	38.49	1.31	20	
Trichloroethene	39.06	5.0	50	0	78.1	56.5-136	38.28	2	20	
Surr: 4-Bromofluorobenzene	*49.49*	0	*50*	0	*99*	*78.9-128*	49.02	*0.948*		
Surr: Dibromofluoromethane	*51.02*	0	*50*	0	*102*	*79.1-140*	51.53	*0.987*		
Surr: Toluene-d8	*49.71*	0	*50*	0	*99.4*	*84.5-124*	50.48	*1.55*		

The following samples were analyzed in this batch: 24060278-02A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 21-Jun-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redev; 2296.16
WorkOrder: **24060278**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
% of sample	
mg/Kg-dry	

ALS Environmental

Sample Receipt Checklist

Client Name: **PARTNERS-SOLON** Date/Time Received: **07-Jun-24 14:00**

Work Order: **24060278** Received by: **DS**

Checklist completed by Alec Bolender (eSignature) 08-Jun-24 (Date) Reviewed by: Rob Nieman (eSignature) 14-Jun-24 (Date)

Matrices: soil
Carrier name: Courier

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Sample(s) received on ice?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.3	120489	
Cooler(s)/Kit(s):			
Date/Time sample(s) sent to storage:			
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:	-		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

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REV 10/2017

24060278

☒ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 06/05/2024 Purchase Order No.: _____
Company Name: Partners Project No.: 2296.16
Address: 31100 Solon Road Sampling Site: Euclid-Woodlawn
Solon (City) Ohio (State) 44139 (Zip) Redevelopment Site
Person to Contact: Halle Miller Billing Address (if different): Ohio EPA
Email Address: hmiller@partnersenv.com DERR
Telephone ( ): _____
Alternate Contact: _____

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs
	PMW-200-6-8'	06/05/24	10:35		S	1	X
	PMW-200 ~~8~~ HE-10'		10:35			1	X
	PMW-201-2-4'		12:25			1	X
	PMW-201-8-10'		12:25			1	X
	PMW-202-6-8'		13:55			1	X
	PMW-202-10-12'		13:55			1	X

Notes:

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
Margaret Eitler	16:30 06/05/24	[signature]	16:30 6/5/24
[signature]	14:00 6/6/24	[signature]	1800 6-7-24

ALS LAB USE ONLY 12048C

COOLER TEMP: 2.3 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

01-Jul-2024

Jeremy Kendle
Partners Environmental Consulting, Inc.
31100 Solon Rd.
Suite G
Solon, OH 44139

Re: **2296.16; Euclid-Woodlawn Redevelopment** Work Order: **24060629**

Dear Jeremy,

ALS Environmental received 8 samples on 17-Jun-2024 01:40 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 32.

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

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 01-Jul-24

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: **24060629**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24060629-01	MW-05	Water		6/13/2024 09:45	6/17/2024 13:40	☐
24060629-02	MW-200	Water		6/13/2024 10:30	6/17/2024 13:40	☐
24060629-03	DUP61324	Water		6/13/2024	6/17/2024 13:40	☐
24060629-04	MW-04	Water		6/13/2024 11:10	6/17/2024 13:40	☐
24060629-05	Trip Blank	Water		6/13/2024	6/17/2024 13:40	☐
24060629-06	EQ61324	Water		6/13/2024 11:00	6/17/2024 13:40	☐
24060629-07	MW-202	Water		6/13/2024 12:55	6/17/2024 13:40	☐
24060629-08	MW-201	Water		6/13/2024 14:45	6/17/2024 13:40	☐

ALS Environmental

Date: 01-Jul-24

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629

Case Narrative

The analyses requested were analyzed according to Ohio Voluntary Action Program requirements. Affidavits are available upon request.

The analytical data provided relates directly to the samples received by ALS Laboratory Group and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-05
Lab ID: 24060629-01
Collection Date: 6/13/2024 09:45 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/25/2024 02:11 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/25/2024 02:11 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
2-Butanone	ND		50	µg/L	1	6/25/2024 02:11 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
2-Hexanone	ND		5.0	µg/L	1	6/25/2024 02:11 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Acetone	ND		50	µg/L	1	6/25/2024 02:11 PM
Benzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Bromobenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Bromochloromethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Bromoform	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Bromomethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Carbon disulfide	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Chlorobenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Chloroethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Chloroform	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Chloromethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-05
Lab ID: 24060629-01
Collection Date: 6/13/2024 09:45 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Dibromomethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Ethylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
m,p-Xylene	ND		10	µg/L	1	6/25/2024 02:11 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Methylene chloride	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Naphthalene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
o-Xylene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Styrene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Toluene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Trichloroethene	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/25/2024 02:11 PM
Vinyl chloride	ND		2.0	µg/L	1	6/25/2024 02:11 PM
Xylenes, Total	ND		15	µg/L	1	6/25/2024 02:11 PM
Surr: 4-Bromofluorobenzene	*96.1*		*61-131*	*%REC*	1	6/25/2024 02:11 PM
Surr: Dibromofluoromethane	*97.1*		*72-137*	*%REC*	1	6/25/2024 02:11 PM
Surr: Toluene-d8	*106*		*93.7-124*	*%REC*	1	6/25/2024 02:11 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-200
Lab ID: 24060629-02
Collection Date: 6/13/2024 10:30 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,1-Dichloroethene	**7.3**		**5.0**	**µg/L**	1	6/24/2024 08:20 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/24/2024 08:20 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/24/2024 08:20 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
2-Butanone	ND		50	µg/L	1	6/24/2024 08:20 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
2-Hexanone	ND		5.0	µg/L	1	6/24/2024 08:20 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Acetone	ND		50	µg/L	1	6/24/2024 08:20 PM
Benzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Bromobenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Bromochloromethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Bromoform	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Bromomethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Carbon disulfide	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Chlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Chloroethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Chloroform	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Chloromethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-200
Lab ID: 24060629-02
Collection Date: 6/13/2024 10:30 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	**86**		**5.0**	**µg/L**	1	6/24/2024 08:20 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Dibromomethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Ethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
m,p-Xylene	ND		10	µg/L	1	6/24/2024 08:20 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Methylene chloride	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Naphthalene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
o-Xylene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Styrene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Toluene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
trans-1,2-Dichloroethene	**8.2**		**5.0**	**µg/L**	1	6/24/2024 08:20 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Trichloroethene	**980**		**100**	**µg/L**	20	6/25/2024 02:29 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/24/2024 08:20 PM
Vinyl chloride	**4.9**		**2.0**	**µg/L**	1	6/24/2024 08:20 PM
Xylenes, Total	ND		15	µg/L	1	6/24/2024 08:20 PM
Surr: 4-Bromofluorobenzene	*99.3*		*61-131*	*%REC*	1	6/24/2024 08:20 PM
Surr: Dibromofluoromethane	*109*		*72-137*	*%REC*	1	6/24/2024 08:20 PM
Surr: Toluene-d8	*104*		*93.7-124*	*%REC*	20	6/25/2024 02:29 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: DUP61324
Lab ID: 24060629-03
Collection Date: 6/13/2024
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,1-Dichloroethene	**7.4**		**5.0**	**µg/L**	1	6/24/2024 08:38 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/24/2024 08:38 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/24/2024 08:38 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
2-Butanone	ND		50	µg/L	1	6/24/2024 08:38 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
2-Hexanone	ND		5.0	µg/L	1	6/24/2024 08:38 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Acetone	ND		50	µg/L	1	6/24/2024 08:38 PM
Benzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Bromobenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Bromochloromethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Bromoform	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Bromomethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Carbon disulfide	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Chlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Chloroethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Chloroform	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Chloromethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: DUP61324
Lab ID: 24060629-03
Collection Date: 6/13/2024
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	**85**		**5.0**	**µg/L**	1	6/24/2024 08:38 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Dibromomethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Ethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
m,p-Xylene	ND		10	µg/L	1	6/24/2024 08:38 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Methylene chloride	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Naphthalene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
o-Xylene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Styrene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Toluene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
trans-1,2-Dichloroethene	**9.2**		**5.0**	**µg/L**	1	6/24/2024 08:38 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Trichloroethene	**970**		**100**	**µg/L**	20	6/25/2024 02:47 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/24/2024 08:38 PM
Vinyl chloride	**5.0**		**2.0**	**µg/L**	1	6/24/2024 08:38 PM
Xylenes, Total	ND		15	µg/L	1	6/24/2024 08:38 PM
Surr: 4-Bromofluorobenzene	*105*		*61-131*	*%REC*	1	6/24/2024 08:38 PM
Surr: Dibromofluoromethane	*98.6*		*72-137*	*%REC*	1	6/24/2024 08:38 PM
Surr: Toluene-d8	*106*		*93.7-124*	*%REC*	1	6/24/2024 08:38 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-04
Lab ID: 24060629-04
Collection Date: 6/13/2024 11:10 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/24/2024 08:56 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/24/2024 08:56 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
2-Butanone	ND		50	µg/L	1	6/24/2024 08:56 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
2-Hexanone	ND		5.0	µg/L	1	6/24/2024 08:56 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Acetone	ND		50	µg/L	1	6/24/2024 08:56 PM
Benzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Bromobenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Bromochloromethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Bromoform	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Bromomethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Carbon disulfide	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Chlorobenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Chloroethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Chloroform	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Chloromethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-04
Lab ID: 24060629-04
Collection Date: 6/13/2024 11:10 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Dibromomethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Ethylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
m,p-Xylene	ND		10	µg/L	1	6/24/2024 08:56 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Methylene chloride	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Naphthalene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
o-Xylene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Styrene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Toluene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Trichloroethene	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/24/2024 08:56 PM
Vinyl chloride	ND		2.0	µg/L	1	6/24/2024 08:56 PM
Xylenes, Total	ND		15	µg/L	1	6/24/2024 08:56 PM
Surr: 4-Bromofluorobenzene	*106*		*61-131*	*%REC*	1	6/24/2024 08:56 PM
Surr: Dibromofluoromethane	*107*		*72-137*	*%REC*	1	6/24/2024 08:56 PM
Surr: Toluene-d8	*98.1*		*93.7-124*	*%REC*	1	6/24/2024 08:56 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: Trip Blank
Lab ID: 24060629-05
Collection Date: 6/13/2024
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/24/2024 04:59 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/24/2024 04:59 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
2-Butanone	ND		50	µg/L	1	6/24/2024 04:59 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
2-Hexanone	ND		5.0	µg/L	1	6/24/2024 04:59 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Acetone	ND		50	µg/L	1	6/24/2024 04:59 PM
Benzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Bromobenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Bromochloromethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Bromoform	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Bromomethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Carbon disulfide	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Chlorobenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Chloroethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Chloroform	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Chloromethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: Trip Blank
Lab ID: 24060629-05
Collection Date: 6/13/2024
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Dibromomethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Ethylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
m,p-Xylene	ND		10	µg/L	1	6/24/2024 04:59 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Methylene chloride	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Naphthalene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
o-Xylene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Styrene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Toluene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Trichloroethene	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/24/2024 04:59 PM
Vinyl chloride	ND		2.0	µg/L	1	6/24/2024 04:59 PM
Xylenes, Total	ND		15	µg/L	1	6/24/2024 04:59 PM
Surr: 4-Bromofluorobenzene	*111*		*61-131*	*%REC*	1	6/24/2024 04:59 PM
Surr: Dibromofluoromethane	*98.2*		*72-137*	*%REC*	1	6/24/2024 04:59 PM
Surr: Toluene-d8	*102*		*93.7-124*	*%REC*	1	6/24/2024 04:59 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: EQ61324
Lab ID: 24060629-06
Collection Date: 6/13/2024 11:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/24/2024 06:12 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/24/2024 06:12 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
2-Butanone	ND		50	µg/L	1	6/24/2024 06:12 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
2-Hexanone	ND		5.0	µg/L	1	6/24/2024 06:12 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Acetone	ND		50	µg/L	1	6/24/2024 06:12 PM
Benzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Bromobenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Bromochloromethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Bromoform	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Bromomethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Carbon disulfide	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Chlorobenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Chloroethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Chloroform	**13**		**5.0**	**µg/L**	1	6/24/2024 06:12 PM
Chloromethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: EQ61324
Lab ID: 24060629-06
Collection Date: 6/13/2024 11:00 AM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Dibromomethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Ethylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
m,p-Xylene	ND		10	µg/L	1	6/24/2024 06:12 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Methylene chloride	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Naphthalene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
o-Xylene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Styrene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Toluene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Trichloroethene	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/24/2024 06:12 PM
Vinyl chloride	ND		2.0	µg/L	1	6/24/2024 06:12 PM
Xylenes, Total	ND		15	µg/L	1	6/24/2024 06:12 PM
Surr: 4-Bromofluorobenzene	*105*		*61-131*	*%REC*	1	6/24/2024 06:12 PM
Surr: Dibromofluoromethane	*99.2*		*72-137*	*%REC*	1	6/24/2024 06:12 PM
Surr: Toluene-d8	*108*		*93.7-124*	*%REC*	1	6/24/2024 06:12 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-202
Lab ID: 24060629-07
Collection Date: 6/13/2024 12:55 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/24/2024 09:14 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/24/2024 09:14 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
2-Butanone	ND		50	µg/L	1	6/24/2024 09:14 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
2-Hexanone	ND		5.0	µg/L	1	6/24/2024 09:14 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Acetone	ND		50	µg/L	1	6/24/2024 09:14 PM
Benzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Bromobenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Bromochloromethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Bromoform	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Bromomethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Carbon disulfide	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Chlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Chloroethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Chloroform	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Chloromethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-202
Lab ID: 24060629-07
Collection Date: 6/13/2024 12:55 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Dibromomethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Ethylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
m,p-Xylene	ND		10	µg/L	1	6/24/2024 09:14 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Methylene chloride	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Naphthalene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
o-Xylene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Styrene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Toluene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Trichloroethene	**7.6**		**5.0**	**µg/L**	1	6/24/2024 09:14 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/24/2024 09:14 PM
Vinyl chloride	ND		2.0	µg/L	1	6/24/2024 09:14 PM
Xylenes, Total	ND		15	µg/L	1	6/24/2024 09:14 PM
Surr: 4-Bromofluorobenzene	*106*		*61-131*	*%REC*	1	6/24/2024 09:14 PM
Surr: Dibromofluoromethane	*83.7*		*72-137*	*%REC*	1	6/24/2024 09:14 PM
Surr: Toluene-d8	*100*		*93.7-124*	*%REC*	1	6/24/2024 09:14 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-201
Lab ID: 24060629-08
Collection Date: 6/13/2024 02:45 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	6/24/2024 09:33 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	6/24/2024 09:33 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
2-Butanone	ND		50	µg/L	1	6/24/2024 09:33 PM
2-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
2-Hexanone	ND		5.0	µg/L	1	6/24/2024 09:33 PM
4-Chlorotoluene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Acetone	ND		50	µg/L	1	6/24/2024 09:33 PM
Benzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Bromobenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Bromochloromethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Bromodichloromethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Bromoform	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Bromomethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Carbon disulfide	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Carbon tetrachloride	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Chlorobenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Chloroethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Chloroform	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Chloromethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM

Note:

ALS Environmental

Date: *01-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
Work Order: 24060629
Sample ID: MW-201
Lab ID: 24060629-08
Collection Date: 6/13/2024 02:45 PM
Matrix: WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Dibromochloromethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Dibromomethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Ethylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Isopropylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
m,p-Xylene	ND		10	µg/L	1	6/24/2024 09:33 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Methylene chloride	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Naphthalene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
n-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
n-Propylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
o-Xylene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
sec-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Styrene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
tert-Butylbenzene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Tetrachloroethene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Toluene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Trichloroethene	**17**		**5.0**	**µg/L**	1	6/24/2024 09:33 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	6/24/2024 09:33 PM
Vinyl chloride	ND		2.0	µg/L	1	6/24/2024 09:33 PM
Xylenes, Total	ND		15	µg/L	1	6/24/2024 09:33 PM
Surr: 4-Bromofluorobenzene	*101*		*61-131*	*%REC*	1	6/24/2024 09:33 PM
Surr: Dibromofluoromethane	*97.6*		*72-137*	*%REC*	1	6/24/2024 09:33 PM
Surr: Toluene-d8	*95.5*		*93.7-124*	*%REC*	1	6/24/2024 09:33 PM

Note:

ALS Environmental

Date: 01-Jul-24

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231024** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **MBLK-R231024** Units: **µg/L** Analysis Date: **6/24/2024 04:23 PM**

Client ID: Run ID: **VMS6_240624A** SeqNo: **3432635** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.082	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	1.065	50								J
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	0.174	5.0								J

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R231024** Instrument ID **VMS6** Method: **SW8260B**

Dibromochloromethane	ND	5.0					
Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
Surr: 4-Bromofluorobenzene	*52.91*	0	*50*	0	*106*	*61-131*	0
Surr: Dibromofluoromethane	*57.84*	0	*50*	0	*116*	*72-137*	0
Surr: Toluene-d8	*58.59*	0	*50*	0	*117*	*93.7-124*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231024** Instrument ID **VMS6** Method: **SW8260B**

LCS Sample ID: **LCS-R231024** Units: **µg/L** Analysis Date: **6/24/2024 01:45 PM**

Client ID: Run ID: **VMS6_240624A** SeqNo: **3432632** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	61.72	5.0	50	0	123	48.4-140	0			
1,1-Dichloroethene	63.07	5.0	50	0	126	45.5-150	0			
1,2-Dichloroethane	58.41	5.0	50	0	117	46.5-141	0			
1,3-Dichlorobenzene	56.41	5.0	50	0	113	42.5-133	0			
1,4-Dichlorobenzene	54.95	5.0	50	0	110	38.9-136	0			
Benzene	47.47	5.0	50	0	94.9	50.7-134	0			
Carbon tetrachloride	56.83	5.0	50	0	114	45.5-143	0			
Chlorobenzene	53.31	5.0	50	0	107	45-133	0			
Chloroform	59.22	5.0	50	0	118	52.4-136	0			
cis-1,2-Dichloroethene	55.65	5.0	50	0	111	49.7-138	0			
Ethylbenzene	52.71	5.0	50	0	105	37.8-145	0			
m,p-Xylene	110.3	10	100	0	110	25.1-163	0			
Methyl tert-butyl ether	55.16	5.0	50	0	110	26.7-174	0			
Styrene	55.86	5.0	50	0	112	26.3-172	0			
Tetrachloroethene	38	5.0	50	0	76	37.3-139	0			
Toluene	54.49	5.0	50	0	109	44-135	0			
Trichloroethene	64.36	5.0	50	0	129	45.9-140	0			
Xylenes, Total	169.2	15	150	0	113	47.3-132	0			
Surr: 4-Bromofluorobenzene	*50.73*	0	*50*	0	*101*	*61-131*	0			
Surr: Dibromofluoromethane	*50.24*	0	*50*	0	*100*	*72-137*	0			
Surr: Toluene-d8	*48.54*	0	*50*	0	*97.1*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231024** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **24060734-06A MS** Units: **µg/L** Analysis Date: **6/24/2024 02:03 PM**

Client ID: Run ID: **VMS6_240624A** SeqNo: **3432633** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	58.22	5.0	50	0	116	40.4-134	0			
1,1-Dichloroethene	59.72	5.0	50	0	119	45.3-151	0			
1,2-Dichloroethane	54.6	5.0	50	0	109	37-139	0			
1,3-Dichlorobenzene	53.57	5.0	50	0	107	42.9-121	0			
1,4-Dichlorobenzene	53.02	5.0	50	0	106	53.4-129	0			
Benzene	43.81	5.0	50	0	87.6	37.4-144	0			
Carbon tetrachloride	53.49	5.0	50	0	107	33.8-150	0			
Chlorobenzene	51.27	5.0	50	0	103	52.4-132	0			
Chloroform	57.61	5.0	50	0	115	45.5-135	0			
cis-1,2-Dichloroethene	49.18	5.0	50	0	98.4	35.2-150	0			
Ethylbenzene	49.7	5.0	50	0	99.4	46.5-146	0			
m,p-Xylene	104.2	10	100	0	104	38.2-167	0			
Styrene	53.23	5.0	50	0	106	20.9-184	0			
Tetrachloroethene	35.02	5.0	50	0	70	55.2-134	0			
Toluene	51.79	5.0	50	0	104	32.7-140	0			
Trichloroethene	55.67	5.0	50	0	111	29.1-153	0			
Xylenes, Total	158.3	15	150	0	106	43.6-148	0			
Surr: 4-Bromofluorobenzene	*48.92*	0	*50*	0	*97.8*	*61-131*	0			
Surr: Dibromofluoromethane	*49.48*	0	*50*	0	*99*	*72-137*	0			
Surr: Toluene-d8	*48.29*	0	*50*	0	*96.6*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231024** Instrument ID **VMS6** Method: **SW8260B**

MSD Sample ID: **24060734-06A MSD** Units: **µg/L** Analysis Date: **6/24/2024 02:22 PM**

Client ID: Run ID: **VMS6_240624A** SeqNo: **3432634** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.96	5.0	50	0	110	40.4-134	58.22	5.76	20	
1,1-Dichloroethene	54.44	5.0	50	0	109	45.3-151	59.72	9.25	20	
1,2-Dichloroethane	54.32	5.0	50	0	109	37-139	54.6	0.531	20	
1,3-Dichlorobenzene	51.6	5.0	50	0	103	42.9-121	53.57	3.75	20	
1,4-Dichlorobenzene	50.38	5.0	50	0	101	53.4-129	53.02	5.11	20	
Benzene	42.93	5.0	50	0	85.9	37.4-144	43.81	2.03	20	
Carbon tetrachloride	49.52	5.0	50	0	99	33.8-150	53.49	7.71	20	
Chlorobenzene	47.08	5.0	50	0	94.2	52.4-132	51.27	8.53	20	
Chloroform	55.38	5.0	50	0	111	45.5-135	57.61	3.94	20	
cis-1,2-Dichloroethene	50.19	5.0	50	0	100	35.2-150	49.18	2.03	20	
Ethylbenzene	45.76	5.0	50	0	91.5	46.5-146	49.7	8.25	20	
m,p-Xylene	99.77	10	100	0	99.8	38.2-167	104.2	4.34	20	
Styrene	50.57	5.0	50	0	101	20.9-184	53.23	5.12	20	
Tetrachloroethene	32.72	5.0	50	0	65.4	55.2-134	35.02	6.79	20	
Toluene	49.96	5.0	50	0	99.9	32.7-140	51.79	3.6	20	
Trichloroethene	47.98	5.0	50	0	96	29.1-153	55.67	14.8	20	
Xylenes, Total	150.2	15	150	0	100	43.6-148	158.3	5.21	20	
Surr: 4-Bromofluorobenzene	*49.33*	0	*50*	0	*98.7*	*61-131*	48.92	*0.833*		
Surr: Dibromofluoromethane	*51.35*	0	*50*	0	*103*	*72-137*	49.48	*3.71*		
Surr: Toluene-d8	*48.03*	0	*50*	0	*96.1*	*93.7-124*	48.29	*0.556*		

The following samples were analyzed in this batch:

24060629-01A	24060629-02A	24060629-03A
24060629-04A	24060629-05A	24060629-06A
24060629-07A	24060629-08A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231058** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **MBLK-R231058** Units: **µg/L** Analysis Date: **6/25/2024 12:03 PM**

Client ID: Run ID: **VMS6_240625A** SeqNo: **3433724** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.098	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R231058** Instrument ID **VMS6** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
Surr: 4-Bromofluorobenzene	*52.86*	0	*50*	0	*106*	*61-131*	0
Surr: Dibromofluoromethane	*57.64*	0	*50*	0	*115*	*72-137*	0
Surr: Toluene-d8	*48.5*	0	*50*	0	*97*	*93.7-124*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231058** Instrument ID **VMS6** Method: **SW8260B**

LCS Sample ID: **LCS-R231058** Units: **µg/L** Analysis Date: **6/25/2024 09:59 AM**

Client ID: Run ID: **VMS6_240625A** SeqNo: **3433721** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	58.47	5.0	50	0	117	48.4-140	0			
1,1-Dichloroethene	60.22	5.0	50	0	120	45.5-150	0			
1,2-Dichloroethane	54.36	5.0	50	0	109	46.5-141	0			
1,3-Dichlorobenzene	53.71	5.0	50	0	107	42.5-133	0			
1,4-Dichlorobenzene	52.08	5.0	50	0	104	38.9-136	0			
Benzene	45.22	5.0	50	0	90.4	50.7-134	0			
Carbon tetrachloride	55.23	5.0	50	0	110	45.5-143	0			
Chlorobenzene	49.73	5.0	50	0	99.5	45-133	0			
Chloroform	56.76	5.0	50	0	114	52.4-136	0			
cis-1,2-Dichloroethene	48.73	5.0	50	0	97.5	49.7-138	0			
Ethylbenzene	48.89	5.0	50	0	97.8	37.8-145	0			
m,p-Xylene	106.4	10	100	0	106	25.1-163	0			
Methyl tert-butyl ether	56.13	5.0	50	0	112	26.7-174	0			
Styrene	52.31	5.0	50	0	105	26.3-172	0			
Tetrachloroethene	36.2	5.0	50	0	72.4	37.3-139	0			
Toluene	51.79	5.0	50	0	104	44-135	0			
Trichloroethene	61.42	5.0	50	0	123	45.9-140	0			
Xylenes, Total	159.8	15	150	0	107	47.3-132	0			
Surr: 4-Bromofluorobenzene	*49.96*	0	*50*	0	*99.9*	*61-131*	0			
Surr: Dibromofluoromethane	*49.54*	0	*50*	0	*99.1*	*72-137*	0			
Surr: Toluene-d8	*48.63*	0	*50*	0	*97.3*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231058** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **24060743-03A MS** Units: **µg/L** Analysis Date: **6/25/2024 10:36 AM**

Client ID: Run ID: **VMS6_240625A** SeqNo: **3433722** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	55.39	5.0	50	0	111	40.4-134	0			
1,1-Dichloroethene	55.5	5.0	50	0	111	45.3-151	0			
1,2-Dichloroethane	52.88	5.0	50	0	106	37-139	0			
1,3-Dichlorobenzene	50.68	5.0	50	0	101	42.9-121	0			
1,4-Dichlorobenzene	49.73	5.0	50	0	99.5	53.4-129	0			
Benzene	46.05	5.0	50	0	92.1	37.4-144	0			
Carbon tetrachloride	51.37	5.0	50	0	103	33.8-150	0			
Chlorobenzene	45.55	5.0	50	0	91.1	52.4-132	0			
Chloroform	54.9	5.0	50	0	110	45.5-135	0			
cis-1,2-Dichloroethene	46.9	5.0	50	0.446	92.9	35.2-150	0			
Ethylbenzene	44.9	5.0	50	0	89.8	46.5-146	0			
m,p-Xylene	99.68	10	100	0	99.7	38.2-167	0			
Styrene	48.6	5.0	50	0	97.2	20.9-184	0			
Tetrachloroethene	32.85	5.0	50	0	65.7	55.2-134	0			
Toluene	49.59	5.0	50	0	99.2	32.7-140	0			
Trichloroethene	46.94	5.0	50	0	93.9	29.1-153	0			
Xylenes, Total	149	15	150	0	99.3	43.6-148	0			
Surr: 4-Bromofluorobenzene	*49.81*	0	*50*	0	*99.6*	*61-131*	0			
Surr: Dibromofluoromethane	*50.61*	0	*50*	0	*101*	*72-137*	0			
Surr: Toluene-d8	*49.06*	0	*50*	0	*98.1*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24060629
Project: 2296.16; Euclid-Woodlawn Redevelopment

QC BATCH REPORT

Batch ID: **R231058** Instrument ID **VMS6** Method: **SW8260B**

MSD Sample ID: **24060743-03A MSD** Units: **µg/L** Analysis Date: **6/25/2024 10:54 AM**

Client ID: Run ID: **VMS6_240625A** SeqNo: **3433723** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	57.98	5.0	50	0	116	40.4-134	55.39	4.57	20	
1,1-Dichloroethene	59.79	5.0	50	0	120	45.3-151	55.5	7.45	20	
1,2-Dichloroethane	52.84	5.0	50	0	106	37-139	52.88	0.0738	20	
1,3-Dichlorobenzene	51.27	5.0	50	0	103	42.9-121	50.68	1.16	20	
1,4-Dichlorobenzene	49.96	5.0	50	0	99.9	53.4-129	49.73	0.443	20	
Benzene	44.96	5.0	50	0	89.9	37.4-144	46.05	2.38	20	
Carbon tetrachloride	53.68	5.0	50	0	107	33.8-150	51.37	4.39	20	
Chlorobenzene	48.79	5.0	50	0	97.6	52.4-132	45.55	6.87	20	
Chloroform	54.65	5.0	50	0	109	45.5-135	54.9	0.46	20	
cis-1,2-Dichloroethene	50.22	5.0	50	0.446	99.6	35.2-150	46.9	6.85	20	
Ethylbenzene	48.82	5.0	50	0	97.6	46.5-146	44.9	8.35	20	
m,p-Xylene	106.8	10	100	0	107	38.2-167	99.68	6.88	20	
Styrene	51.12	5.0	50	0	102	20.9-184	48.6	5.04	20	
Tetrachloroethene	36.29	5.0	50	0	72.6	55.2-134	32.85	9.95	20	
Toluene	50.11	5.0	50	0	100	32.7-140	49.59	1.04	20	
Trichloroethene	65	5.0	50	0	130	29.1-153	46.94	32.3	20	R
Xylenes, Total	157.2	15	150	0	105	43.6-148	149	5.34	20	
Surr: 4-Bromofluorobenzene	*49.43*	0	*50*	0	*98.9*	*61-131*	49.81	*0.76*		
Surr: Dibromofluoromethane	*50.76*	0	*50*	0	*102*	*72-137*	50.61	*0.3*		
Surr: Toluene-d8	*48.6*	0	*50*	0	*97.2*	*93.7-124*	49.06	*0.942*		

The following samples were analyzed in this batch: 24060629-01A 24060629-02A 24060629-03A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 01-Jul-24

Client: Partners Environmental Consulting, Inc.
Project: 2296.16; Euclid-Woodlawn Redevelopment
WorkOrder: **24060629**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
µg/L	

ALS Environmental

Sample Receipt Checklist

Client Name: **PARTNERS-SOLON** Date/Time Received: **17-Jun-24 13:40**

Work Order: **24060629** Received by: **DS**

Checklist completed by Alec Bolender (eSignature) 18-Jun-24 (Date) Reviewed by: Rob Nieman (eSignature) 21-Jun-24 (Date)

Matrices: water

Carrier name: Courier

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☐	☐	☑
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	
Sample(s) received on ice?	☑	☐	

Temperature(s)/Thermometer(s): 5.3 120489

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

	Yes	No	No VOA vials submitted
Water - VOA vials have zero headspace?	☑	☐	☐
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☐	N/A ☑

pH adjusted by: -

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

Field Chain-of-Custody Record

19833

Page _____ of _____

REV 10/2017

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

24060629

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☑ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 6/13/2024
Company Name: Partners Environmental
Address: 31100 Solon Rd., Ste. G
Solon (City) OH (State) 44139 (Zip)
Person to Contact: Jeremy Kendle
Email Address: jkendle@partnersenv.com
Telephone ( ): _____
Alternate Contact: _____

Purchase Order No.: _____
Project No.: 2296.16
Sampling Site: Euclid-Woodlawn Redevelopment Site
Billing Address (if different): OHIO EPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs 8260
	MW-05	6/13/24	945	1	W	2	X
	MW-200	↓	1030	↓	↓	2	X
	DUP 61324	↓	—	↓	↓	2	X
	MW-04	↓	1110	↓	↓	2	X
	Trip Blank Lab Prepared			↓	↓	1	X
	EQ 61324	6/13/24	1100	↓	↓	2	X
	MW-202	↓	1255	↓	↓	2	X
	MW-201	↓	1445	↓	↓	2	X

Notes:

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	6/14 915	[signature]	09:12 6/14/24
[signature]	14:00 6/14/24	[signature]	6/17/24 1340

ALS LAB USE ONLY

COOLER TEMP: 5.3 °C TAKEN WITH IR#: 119063 119059 120420

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER: _____

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

19-Jul-2024

Chris Butcher
Partners Environmental Consulting, Inc.
31100 Solon Rd.
Suite G
Solon, OH 44139

Re: **Euclid Woodlawn Redevelopment Site; 2296.16** Work Order: **24070148**

Dear Chris,

ALS Environmental received 33 samples on 03-Jul-2024 01:20 PM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Laboratory Group. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 96.

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

Sincerely,

Rob Nieman

Electronically approved by: Rob Nieman

Rob Nieman
Project Manager

Report of Laboratory Analysis

ALS Environmental

Date: 19-Jul-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16
Work Order: **24070148**

Work Order Sample Summary

Lab Samp ID	Client Sample ID	Matrix	Tag Number	Collection Date	Date Received	Hold
24070148-01	H-4 (2-4)	Soil		7/1/2024 11:45	7/3/2024 13:20	☐
24070148-02	H-4 (10-12)	Soil		7/1/2024 11:45	7/3/2024 13:20	☐
24070148-03	H-4 (6-8)	Soil		7/1/2024 11:45	7/3/2024 13:20	☑
24070148-04	G-2.5 (2-4)	Soil		7/1/2024 13:50	7/3/2024 13:20	☐
24070148-05	G-2.5 (4-6)	Soil		7/1/2024 13:50	7/3/2024 13:20	☐
24070148-06	G-2.5 (8-10)	Soil		7/1/2024 13:50	7/3/2024 13:20	☑
24070148-07	DUP-07012024 (2-4) #1-13:50	Soil		7/1/2024 13:50	7/3/2024 13:20	☐
24070148-08	DUP-07012024 (4-6)	Soil		7/1/2024 13:50	7/3/2024 13:20	☐
24070148-09	G-3.5 (4-6)	Soil		7/1/2024 12:20	7/3/2024 13:20	☐
24070148-10	G-3.5 (6-8)	Soil		7/1/2024 12:20	7/3/2024 13:20	☐
24070148-11	G-3.5	Soil		7/1/2024 12:20	7/3/2024 13:20	☑
24070148-12	I-3.5 (4-6)	Soil		7/1/2024 12:50	7/3/2024 13:20	☐
24070148-13	I-3.5 (6-8)	Soil		7/1/2024 12:50	7/3/2024 13:20	☐
24070148-14	I-2.5 (0-2)	Soil		7/1/2024 13:20	7/3/2024 13:20	☐
24070148-15	I-2.5 (6-8)	Soil		7/1/2024 13:20	7/3/2024 13:20	☐
24070148-16	J-1.25 (0-2)	Soil		7/1/2024 15:25	7/3/2024 13:20	☑
24070148-17	J-1.25 (4-6)	Soil		7/1/2024 15:25	7/3/2024 13:20	☐
24070148-18	J-1.25 (6-8)	Soil		7/1/2024 15:25	7/3/2024 13:20	☐
24070148-19	I-1.5 (4-6)	Soil		7/1/2024 15:00	7/3/2024 13:20	☑
24070148-20	I-1.5 (6-8)	Soil		7/1/2024 15:00	7/3/2024 13:20	☐
24070148-21	I-1.5 (8-10)	Soil		7/1/2024 15:00	7/3/2024 13:20	☐
24070148-22	G-1.5 (2-4)	Soil		7/1/2024 14:40	7/3/2024 13:20	☑
24070148-23	G-1.5 (4-6)	Soil		7/1/2024 14:40	7/3/2024 13:20	☐
24070148-24	G-1.5 (10-12)	Soil		7/1/2024 14:40	7/3/2024 13:20	☐
24070148-25	H-1 (2-4)	Soil		7/1/2024 15:45	7/3/2024 13:20	☑
24070148-26	H-1 (4-6)	Soil		7/1/2024 15:45	7/3/2024 13:20	☐
24070148-27	H-1 (8-10)	Soil		7/1/2024 15:45	7/3/2024 13:20	☐
24070148-28	EB-07012024	Water		7/1/2024 16:30	7/3/2024 13:20	☐
24070148-29	DUP-07012024 (10-12)	Soil		7/1/2024 11:45	7/3/2024 13:20	☐
24070148-30	DUP-07012024 (2-4) #2-11:45	Soil		7/1/2024 11:45	7/3/2024 13:20	☐
24070148-31	SB-02A (10-12)	Soil		7/1/2024 16:20	7/3/2024 13:20	☐
24070148-32	F-3A (8-10)	Soil		7/1/2024 16:30	7/3/2024 13:20	☐
24070148-33	Trip Blank	Water		7/1/2024	7/3/2024 13:20	☐

ALS Environmental

Date: 19-Jul-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16
Work Order: 24070148

Case Narrative

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Results relate only to the items tested and are not blank corrected unless indicated.

QC sample results for this data met laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

ALS is an EPA recognized NLLAP laboratory for lead paint, soil, and dust wipe analyses under its AIHA LAP accreditation.

Batch 101173, Method 6010_METCLP_S, Sample LCSD-101173: Cr failed high all samples are BDL.

Batch R231724, Method 8260_VOC_5035, Sample 24070148-01A: Surrogates outside of QC range due to matrix.

Batch R231724, Method 8260_VOC_5035, Sample 24070148-02A: Surrogates outside of QC range due to matrix.

Batch R231724, Method 8260_VOC_5035, Sample 24070148-07A: Surrogates outside of QC range due to matrix.

Batch R231724, Method 8260_VOC_5035, Sample 24070148-09A: Surrogates outside of QC range due to matrix.

Batch R231724, Method 8260_VOC_5035, Sample 24070148-12A: Surrogates outside of QC range due to matrix.

Batch R231724, Method 8260_VOC_5035, Sample 24070148-18A: Surrogates outside of QC range due to matrix.

Batch R231779, Method 8260_VOC_5035, Sample 24070148-05A: Acetone reported above calibration due to the high level dilution yield below the reporting level. The select surrogate outside QC range due to sample matrix.

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-4 (2-4) **Lab ID:** 24070148-01
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,1,1-Trichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,1,2,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,1,2-Trichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,1-Dichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,1-Dichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,1-Dichloropropene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2,3-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2,3-Trichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2,4-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2,4-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2-Dibromo-3-chloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2-Dibromoethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2-Dichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,3,5-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,3-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,3-Dichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
1,4-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
2,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
2-Butanone	ND		0.044	mg/Kg-dry	1	7/12/2024 04:17 PM
2-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
2-Hexanone	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
4-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
4-Methyl-2-pentanone	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Acetone	ND		0.044	mg/Kg-dry	1	7/12/2024 04:17 PM
Benzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Bromobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Bromochloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Bromodichloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Bromoform	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Bromomethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Carbon disulfide	**0.0095**		**0.0044**	**mg/Kg-dry**	1	7/12/2024 04:17 PM
Carbon tetrachloride	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Chlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-4 (2-4) **Lab ID:** 24070148-01
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Chloroform	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Chloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
cis-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
cis-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Dibromochloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Dibromomethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Dichlorodifluoromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Ethylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Hexachlorobutadiene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Isopropylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
m,p-Xylene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Methyl tert-butyl ether	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Methylene chloride	ND		0.017	mg/Kg-dry	1	7/12/2024 04:17 PM
Naphthalene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
n-Butylbenzene	**0.056**		**0.0044**	**mg/Kg-dry**	1	7/12/2024 04:17 PM
n-Propylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
o-Xylene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
p-Isopropyltoluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
sec-Butylbenzene	**0.037**		**0.0044**	**mg/Kg-dry**	1	7/12/2024 04:17 PM
Styrene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
tert-Butylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Tetrachloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Toluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
trans-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
trans-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Trichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Trichlorofluoromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Vinyl chloride	ND		0.0044	mg/Kg-dry	1	7/12/2024 04:17 PM
Xylenes, Total	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:17 PM
Surr: 4-Bromofluorobenzene	*159*	S	*88.4-119*	*%REC*	1	7/12/2024 04:17 PM
Surr: Dibromofluoromethane	*128*		*83.2-134*	*%REC*	1	7/12/2024 04:17 PM
Surr: Toluene-d8	*141*	S	*87.2-118*	*%REC*	1	7/12/2024 04:17 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-4 (10-12) **Lab ID:** 24070148-02
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	7/12/2024 04:50 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Acetone	ND		0.049	mg/Kg-dry	1	7/12/2024 04:50 PM
Benzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Carbon disulfide	**0.0059**		**0.0049**	**mg/Kg-dry**	1	7/12/2024 04:50 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-4 (10-12) **Lab ID:** 24070148-02
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Isopropylbenzene	**0.013**		**0.0049**	**mg/Kg-dry**	1	7/12/2024 04:50 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	7/12/2024 04:50 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
n-Butylbenzene	**0.057**		**0.0049**	**mg/Kg-dry**	1	7/12/2024 04:50 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
sec-Butylbenzene	**0.13**		**0.0049**	**mg/Kg-dry**	1	7/12/2024 04:50 PM
Styrene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Toluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	7/12/2024 04:50 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	7/12/2024 04:50 PM
Surr: 4-Bromofluorobenzene	*276*	S	*88.4-119*	*%REC*	1	7/12/2024 04:50 PM
Surr: Dibromofluoromethane	*113*		*83.2-134*	*%REC*	1	7/12/2024 04:50 PM
Surr: Toluene-d8	*122*	S	*87.2-118*	*%REC*	1	7/12/2024 04:50 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-2.5 (2-4) **Lab ID:** 24070148-04
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,1,1-Trichloroethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,1,2,2-Tetrachloroethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,1,2-Trichloroethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,1-Dichloroethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,1-Dichloroethene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,1-Dichloropropene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2,3-Trichlorobenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2,3-Trichloropropane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2,4-Trichlorobenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2,4-Trimethylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2-Dibromo-3-chloropropane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2-Dibromoethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2-Dichlorobenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2-Dichloroethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,2-Dichloropropane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,3,5-Trimethylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,3-Dichlorobenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,3-Dichloropropane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
1,4-Dichlorobenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
2,2-Dichloropropane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
2-Butanone	ND		2.8	mg/Kg-dry	50	7/12/2024 07:03 PM
2-Chlorotoluene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
2-Hexanone	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
4-Chlorotoluene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
4-Methyl-2-pentanone	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Acetone	ND		2.8	mg/Kg-dry	50	7/12/2024 07:03 PM
Benzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Bromobenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Bromochloromethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Bromodichloromethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Bromoform	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Bromomethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Carbon disulfide	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Carbon tetrachloride	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Chlorobenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-2.5 (2-4) **Lab ID:** 24070148-04
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Chloroform	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Chloromethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
cis-1,2-Dichloroethene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
cis-1,3-Dichloropropene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Dibromochloromethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Dibromomethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Dichlorodifluoromethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Ethylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Hexachlorobutadiene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Isopropylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
m,p-Xylene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Methyl tert-butyl ether	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Methylene chloride	ND		1.1	mg/Kg-dry	50	7/12/2024 07:03 PM
Naphthalene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
n-Butylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
n-Propylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
o-Xylene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
p-Isopropyltoluene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
sec-Butylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Styrene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
tert-Butylbenzene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Tetrachloroethene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Toluene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
trans-1,2-Dichloroethene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
trans-1,3-Dichloropropene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Trichloroethene	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Trichlorofluoromethane	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Vinyl chloride	ND		0.28	mg/Kg-dry	50	7/12/2024 07:03 PM
Xylenes, Total	ND		0.56	mg/Kg-dry	50	7/12/2024 07:03 PM
Surr: 4-Bromofluorobenzene	*112*		*88.4-119*	*%REC*	50	7/12/2024 07:03 PM
Surr: Dibromofluoromethane	*106*		*83.2-134*	*%REC*	50	7/12/2024 07:03 PM
Surr: Toluene-d8	*116*		*87.2-118*	*%REC*	50	7/12/2024 07:03 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-2.5 (4-6) **Lab ID:** 24070148-05
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2,4-Trimethylbenzene	**0.051**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,3,5-Trimethylbenzene	**0.060**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
2-Butanone	**0.12**		**0.053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Acetone	**0.40**	E	**0.053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
Benzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Carbon disulfide	**0.0070**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-2.5 (4-6) **Lab ID:** 24070148-05
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
cis-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Ethylbenzene	**0.013**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
m,p-Xylene	**0.055**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	7/15/2024 12:03 PM
Naphthalene	**0.0072**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
n-Propylbenzene	**0.0076**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
o-Xylene	**0.078**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
p-Isopropyltoluene	**0.040**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
sec-Butylbenzene	**0.0069**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
Styrene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Toluene	**0.0073**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Trichloroethene	**0.027**		**0.0053**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	7/15/2024 12:03 PM
Xylenes, Total	**0.13**		**0.011**	**mg/Kg-dry**	1	7/15/2024 12:03 PM
Surr: 4-Bromofluorobenzene	*101*		*88.4-119*	*%REC*	1	7/15/2024 12:03 PM
Surr: Dibromofluoromethane	*166*	S	*83.2-134*	*%REC*	1	7/15/2024 12:03 PM
Surr: Toluene-d8	*112*		*87.2-118*	*%REC*	1	7/15/2024 12:03 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (2-4) #1-13:50 **Lab ID:** 24070148-07
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,1,1-Trichloroethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,1,2,2-Tetrachloroethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,1,2-Trichloroethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,1-Dichloroethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,1-Dichloroethene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,1-Dichloropropene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2,3-Trichlorobenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2,3-Trichloropropane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2,4-Trichlorobenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2,4-Trimethylbenzene	**0.040**		**0.0037**	**mg/Kg-dry**	1	7/12/2024 12:40 PM
1,2-Dibromo-3-chloropropane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2-Dibromoethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2-Dichlorobenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2-Dichloroethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,2-Dichloropropane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,3,5-Trimethylbenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,3-Dichlorobenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,3-Dichloropropane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
1,4-Dichlorobenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
2,2-Dichloropropane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
2-Butanone	ND		0.037	mg/Kg-dry	1	7/12/2024 12:40 PM
2-Chlorotoluene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
2-Hexanone	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
4-Chlorotoluene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
4-Methyl-2-pentanone	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Acetone	**0.042**		**0.037**	**mg/Kg-dry**	1	7/12/2024 12:40 PM
Benzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Bromobenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Bromochloromethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Bromodichloromethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Bromoform	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Bromomethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Carbon disulfide	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Carbon tetrachloride	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Chlorobenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (2-4) #1-13:50 **Lab ID:** 24070148-07
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Chloroform	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Chloromethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
cis-1,2-Dichloroethene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
cis-1,3-Dichloropropene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Dibromochloromethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Dibromomethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Dichlorodifluoromethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Ethylbenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Hexachlorobutadiene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Isopropylbenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
m,p-Xylene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Methyl tert-butyl ether	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Methylene chloride	ND		0.015	mg/Kg-dry	1	7/12/2024 12:40 PM
Naphthalene	**0.0070**		**0.0037**	**mg/Kg-dry**	1	7/12/2024 12:40 PM
n-Butylbenzene	**0.011**		**0.0037**	**mg/Kg-dry**	1	7/12/2024 12:40 PM
n-Propylbenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
o-Xylene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
p-Isopropyltoluene	**0.016**		**0.0037**	**mg/Kg-dry**	1	7/12/2024 12:40 PM
sec-Butylbenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Styrene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
tert-Butylbenzene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Tetrachloroethene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Toluene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
trans-1,2-Dichloroethene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
trans-1,3-Dichloropropene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Trichloroethene	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Trichlorofluoromethane	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Vinyl chloride	ND		0.0037	mg/Kg-dry	1	7/12/2024 12:40 PM
Xylenes, Total	ND		0.0074	mg/Kg-dry	1	7/12/2024 12:40 PM
Surr: 4-Bromofluorobenzene	*142*	S	*88.4-119*	*%REC*	1	7/12/2024 12:40 PM
Surr: Dibromofluoromethane	*128*		*83.2-134*	*%REC*	1	7/12/2024 12:40 PM
Surr: Toluene-d8	*134*	S	*87.2-118*	*%REC*	1	7/12/2024 12:40 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (4-6) **Lab ID:** 24070148-08
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**16**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	7/12/2024 12:57 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Acetone	ND		0.050	mg/Kg-dry	1	7/12/2024 12:57 PM
Benzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (4-6) **Lab ID:** 24070148-08
Collection Date: 7/1/2024 01:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	7/12/2024 12:57 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Styrene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Toluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Trichloroethene	**0.033**		**0.0050**	**mg/Kg-dry**	1	7/12/2024 12:57 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 12:57 PM
Xylenes, Total	ND		0.0099	mg/Kg-dry	1	7/12/2024 12:57 PM
Surr: 4-Bromofluorobenzene	*102*		*88.4-119*	*%REC*	1	7/12/2024 12:57 PM
Surr: Dibromofluoromethane	*106*		*83.2-134*	*%REC*	1	7/12/2024 12:57 PM
Surr: Toluene-d8	*102*		*87.2-118*	*%REC*	1	7/12/2024 12:57 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-3.5 (4-6) **Lab ID:** 24070148-09
Collection Date: 7/1/2024 12:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**12**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,1,1-Trichloroethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,1,2,2-Tetrachloroethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,1,2-Trichloroethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,1-Dichloroethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,1-Dichloroethene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,1-Dichloropropene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2,3-Trichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2,3-Trichloropropane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2,4-Trichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2,4-Trimethylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2-Dibromo-3-chloropropane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2-Dibromoethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2-Dichloroethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,2-Dichloropropane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,3,5-Trimethylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,3-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,3-Dichloropropane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
1,4-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
2,2-Dichloropropane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
2-Butanone	ND		0.039	mg/Kg-dry	1	7/12/2024 05:24 PM
2-Chlorotoluene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
2-Hexanone	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
4-Chlorotoluene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
4-Methyl-2-pentanone	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Acetone	ND		0.039	mg/Kg-dry	1	7/12/2024 05:24 PM
Benzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Bromobenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Bromochloromethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Bromodichloromethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Bromoform	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Bromomethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Carbon disulfide	**0.0041**		**0.0039**	**mg/Kg-dry**	1	7/12/2024 05:24 PM
Carbon tetrachloride	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Chlorobenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-3.5 (4-6) **Lab ID:** 24070148-09
Collection Date: 7/1/2024 12:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Chloroform	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Chloromethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
cis-1,2-Dichloroethene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
cis-1,3-Dichloropropene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Dibromochloromethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Dibromomethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Dichlorodifluoromethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Ethylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Hexachlorobutadiene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Isopropylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
m,p-Xylene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Methyl tert-butyl ether	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Methylene chloride	ND		0.015	mg/Kg-dry	1	7/12/2024 05:24 PM
Naphthalene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
n-Butylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
n-Propylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
o-Xylene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
p-Isopropyltoluene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
sec-Butylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Styrene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
tert-Butylbenzene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Tetrachloroethene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Toluene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
trans-1,2-Dichloroethene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
trans-1,3-Dichloropropene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Trichloroethene	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Trichlorofluoromethane	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Vinyl chloride	ND		0.0039	mg/Kg-dry	1	7/12/2024 05:24 PM
Xylenes, Total	ND		0.0077	mg/Kg-dry	1	7/12/2024 05:24 PM
Surr: 4-Bromofluorobenzene	*112*		*88.4-119*	*%REC*	1	7/12/2024 05:24 PM
Surr: Dibromofluoromethane	*138*	S	*83.2-134*	*%REC*	1	7/12/2024 05:24 PM
Surr: Toluene-d8	*156*	S	*87.2-118*	*%REC*	1	7/12/2024 05:24 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-3.5 (6-8) **Lab ID:** 24070148-10
Collection Date: 7/1/2024 12:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,1,1-Trichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,1,2,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,1,2-Trichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,1-Dichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,1-Dichloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,1-Dichloropropene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2,3-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2,3-Trichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2,4-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2,4-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2-Dibromo-3-chloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2-Dibromoethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2-Dichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,3,5-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,3-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,3-Dichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
1,4-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
2,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
2-Butanone	ND		0.051	mg/Kg-dry	1	7/12/2024 01:13 PM
2-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
2-Hexanone	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
4-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
4-Methyl-2-pentanone	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Acetone	ND		0.051	mg/Kg-dry	1	7/12/2024 01:13 PM
Benzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Bromobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Bromochloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Bromodichloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Bromoform	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Bromomethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Carbon disulfide	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Carbon tetrachloride	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Chlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-3.5 (6-8) **Lab ID:** 24070148-10
Collection Date: 7/1/2024 12:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Chloroform	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Chloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
cis-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
cis-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Dibromochloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Dibromomethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Dichlorodifluoromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Ethylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Hexachlorobutadiene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Isopropylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
m,p-Xylene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Methyl tert-butyl ether	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	7/12/2024 01:13 PM
Naphthalene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
n-Butylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
n-Propylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
o-Xylene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
p-Isopropyltoluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
sec-Butylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Styrene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
tert-Butylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Tetrachloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Toluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
trans-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
trans-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Trichloroethene	**0.081**		**0.0051**	**mg/Kg-dry**	1	7/12/2024 01:13 PM
Trichlorofluoromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Vinyl chloride	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:13 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	7/12/2024 01:13 PM
Surr: 4-Bromofluorobenzene	*101*		*88.4-119*	*%REC*	1	7/12/2024 01:13 PM
Surr: Dibromofluoromethane	*111*		*83.2-134*	*%REC*	1	7/12/2024 01:13 PM
Surr: Toluene-d8	*101*		*87.2-118*	*%REC*	1	7/12/2024 01:13 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-3.5 (4-6) **Lab ID:** 24070148-12
Collection Date: 7/1/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,1,1-Trichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,1,2,2-Tetrachloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,1,2-Trichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,1-Dichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,1-Dichloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,1-Dichloropropene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2,3-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2,3-Trichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2,4-Trichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2,4-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2-Dibromo-3-chloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2-Dibromoethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2-Dichloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,3,5-Trimethylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,3-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,3-Dichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
1,4-Dichlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
2,2-Dichloropropane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
2-Butanone	ND		0.051	mg/Kg-dry	1	7/12/2024 01:30 PM
2-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
2-Hexanone	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
4-Chlorotoluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
4-Methyl-2-pentanone	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Acetone	ND		0.051	mg/Kg-dry	1	7/12/2024 01:30 PM
Benzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Bromobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Bromochloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Bromodichloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Bromoform	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Bromomethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Carbon disulfide	**0.013**		**0.0051**	**mg/Kg-dry**	1	7/12/2024 01:30 PM
Carbon tetrachloride	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Chlorobenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-3.5 (4-6) **Lab ID:** 24070148-12
Collection Date: 7/1/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Chloroform	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Chloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
cis-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
cis-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Dibromochloromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Dibromomethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Dichlorodifluoromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Ethylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Hexachlorobutadiene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Isopropylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
m,p-Xylene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Methyl tert-butyl ether	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	7/12/2024 01:30 PM
Naphthalene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
n-Butylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
n-Propylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
o-Xylene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
p-Isopropyltoluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
sec-Butylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Styrene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
tert-Butylbenzene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Tetrachloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Toluene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
trans-1,2-Dichloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
trans-1,3-Dichloropropene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Trichloroethene	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Trichlorofluoromethane	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Vinyl chloride	ND		0.0051	mg/Kg-dry	1	7/12/2024 01:30 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	7/12/2024 01:30 PM
Surr: 4-Bromofluorobenzene	*130*	S	*88.4-119*	*%REC*	1	7/12/2024 01:30 PM
Surr: Dibromofluoromethane	*116*		*83.2-134*	*%REC*	1	7/12/2024 01:30 PM
Surr: Toluene-d8	*117*		*87.2-118*	*%REC*	1	7/12/2024 01:30 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-3.5 (6-8) **Lab ID:** 24070148-13
Collection Date: 7/1/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,1,1-Trichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,1,2,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,1,2-Trichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,1-Dichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,1-Dichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,1-Dichloropropene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2,3-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2,3-Trichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2,4-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2,4-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2-Dibromo-3-chloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2-Dibromoethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2-Dichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,3,5-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,3-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,3-Dichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
1,4-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
2,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
2-Butanone	ND		0.054	mg/Kg-dry	1	7/12/2024 01:47 PM
2-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
2-Hexanone	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
4-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
4-Methyl-2-pentanone	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Acetone	ND		0.054	mg/Kg-dry	1	7/12/2024 01:47 PM
Benzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Bromobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Bromochloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Bromodichloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Bromoform	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Bromomethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Carbon disulfide	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Carbon tetrachloride	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Chlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-3.5 (6-8) **Lab ID:** 24070148-13
Collection Date: 7/1/2024 12:50 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Chloroform	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Chloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
cis-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
cis-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Dibromochloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Dibromomethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Dichlorodifluoromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Ethylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Hexachlorobutadiene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Isopropylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
m,p-Xylene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Methyl tert-butyl ether	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	7/12/2024 01:47 PM
Naphthalene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
n-Butylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
n-Propylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
o-Xylene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
p-Isopropyltoluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
sec-Butylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Styrene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
tert-Butylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Tetrachloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Toluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
trans-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
trans-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Trichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Trichlorofluoromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Vinyl chloride	ND		0.0054	mg/Kg-dry	1	7/12/2024 01:47 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	7/12/2024 01:47 PM
Surr: 4-Bromofluorobenzene	*110*		*88.4-119*	*%REC*	1	7/12/2024 01:47 PM
Surr: Dibromofluoromethane	*112*		*83.2-134*	*%REC*	1	7/12/2024 01:47 PM
Surr: Toluene-d8	*102*		*87.2-118*	*%REC*	1	7/12/2024 01:47 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-2.5 (0-2) **Lab ID:** 24070148-14
Collection Date: 7/1/2024 01:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**7.8**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,1,1-Trichloroethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,1,2,2-Tetrachloroethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,1,2-Trichloroethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,1-Dichloroethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,1-Dichloroethene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,1-Dichloropropene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2,3-Trichlorobenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2,3-Trichloropropane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2,4-Trichlorobenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2,4-Trimethylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2-Dibromo-3-chloropropane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2-Dibromoethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2-Dichlorobenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2-Dichloroethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,2-Dichloropropane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,3,5-Trimethylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,3-Dichlorobenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,3-Dichloropropane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
1,4-Dichlorobenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
2,2-Dichloropropane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
2-Butanone	ND		0.094	mg/Kg-dry	1	7/12/2024 02:03 PM
2-Chlorotoluene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
2-Hexanone	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
4-Chlorotoluene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
4-Methyl-2-pentanone	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Acetone	ND		0.094	mg/Kg-dry	1	7/12/2024 02:03 PM
Benzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Bromobenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Bromochloromethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Bromodichloromethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Bromoform	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Bromomethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Carbon disulfide	**0.028**		**0.0094**	**mg/Kg-dry**	1	7/12/2024 02:03 PM
Carbon tetrachloride	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Chlorobenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-2.5 (0-2) **Lab ID:** 24070148-14
Collection Date: 7/1/2024 01:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Chloroform	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Chloromethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
cis-1,2-Dichloroethene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
cis-1,3-Dichloropropene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Dibromochloromethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Dibromomethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Dichlorodifluoromethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Ethylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Hexachlorobutadiene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Isopropylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
m,p-Xylene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Methyl tert-butyl ether	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Methylene chloride	ND		0.038	mg/Kg-dry	1	7/12/2024 02:03 PM
Naphthalene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
n-Butylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
n-Propylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
o-Xylene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
p-Isopropyltoluene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
sec-Butylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Styrene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
tert-Butylbenzene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Tetrachloroethene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Toluene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
trans-1,2-Dichloroethene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
trans-1,3-Dichloropropene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Trichloroethene	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Trichlorofluoromethane	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Vinyl chloride	ND		0.0094	mg/Kg-dry	1	7/12/2024 02:03 PM
Xylenes, Total	ND		0.019	mg/Kg-dry	1	7/12/2024 02:03 PM
Surr: 4-Bromofluorobenzene	*103*		*88.4-119*	*%REC*	1	7/12/2024 02:03 PM
Surr: Dibromofluoromethane	*113*		*83.2-134*	*%REC*	1	7/12/2024 02:03 PM
Surr: Toluene-d8	*105*		*87.2-118*	*%REC*	1	7/12/2024 02:03 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-2.5 (6-8) **Lab ID:** 24070148-15
Collection Date: 7/1/2024 01:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,1,1-Trichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,1,2,2-Tetrachloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,1,2-Trichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,1-Dichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,1-Dichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,1-Dichloropropene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2,3-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2,3-Trichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2,4-Trichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2,4-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2-Dibromo-3-chloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2-Dibromoethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2-Dichloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,3,5-Trimethylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,3-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,3-Dichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
1,4-Dichlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
2,2-Dichloropropane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
2-Butanone	ND		0.044	mg/Kg-dry	1	7/12/2024 02:20 PM
2-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
2-Hexanone	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
4-Chlorotoluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
4-Methyl-2-pentanone	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Acetone	ND		0.044	mg/Kg-dry	1	7/12/2024 02:20 PM
Benzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Bromobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Bromochloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Bromodichloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Bromoform	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Bromomethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Carbon disulfide	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Carbon tetrachloride	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Chlorobenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-2.5 (6-8) **Lab ID:** 24070148-15
Collection Date: 7/1/2024 01:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Chloroform	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Chloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
cis-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
cis-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Dibromochloromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Dibromomethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Dichlorodifluoromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Ethylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Hexachlorobutadiene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Isopropylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
m,p-Xylene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Methyl tert-butyl ether	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Methylene chloride	ND		0.018	mg/Kg-dry	1	7/12/2024 02:20 PM
Naphthalene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
n-Butylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
n-Propylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
o-Xylene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
p-Isopropyltoluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
sec-Butylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Styrene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
tert-Butylbenzene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Tetrachloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Toluene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
trans-1,2-Dichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
trans-1,3-Dichloropropene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Trichloroethene	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Trichlorofluoromethane	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Vinyl chloride	ND		0.0044	mg/Kg-dry	1	7/12/2024 02:20 PM
Xylenes, Total	ND		0.0089	mg/Kg-dry	1	7/12/2024 02:20 PM
Surr: 4-Bromofluorobenzene	*102*		*88.4-119*	*%REC*	1	7/12/2024 02:20 PM
Surr: Dibromofluoromethane	*107*		*83.2-134*	*%REC*	1	7/12/2024 02:20 PM
Surr: Toluene-d8	*103*		*87.2-118*	*%REC*	1	7/12/2024 02:20 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: J-1.25 (4-6) **Lab ID:** 24070148-17
Collection Date: 7/1/2024 03:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**13**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,1,1-Trichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,1,2,2-Tetrachloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,1,2-Trichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,1-Dichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,1-Dichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,1-Dichloropropene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2,3-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2,3-Trichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2,4-Trichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2,4-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2-Dibromo-3-chloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2-Dibromoethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2-Dichloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,3,5-Trimethylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,3-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,3-Dichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
1,4-Dichlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
2,2-Dichloropropane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
2-Butanone	ND		0.049	mg/Kg-dry	1	7/12/2024 02:37 PM
2-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
2-Hexanone	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
4-Chlorotoluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
4-Methyl-2-pentanone	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Acetone	ND		0.049	mg/Kg-dry	1	7/12/2024 02:37 PM
Benzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Bromobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Bromochloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Bromodichloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Bromoform	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Bromomethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Carbon disulfide	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Carbon tetrachloride	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Chlorobenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: J-1.25 (4-6) **Lab ID:** 24070148-17
Collection Date: 7/1/2024 03:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Chloroform	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Chloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
cis-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
cis-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Dibromochloromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Dibromomethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Dichlorodifluoromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Ethylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Hexachlorobutadiene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Isopropylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
m,p-Xylene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Methyl tert-butyl ether	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	7/12/2024 02:37 PM
Naphthalene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
n-Butylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
n-Propylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
o-Xylene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
p-Isopropyltoluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
sec-Butylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Styrene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
tert-Butylbenzene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Tetrachloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Toluene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
trans-1,2-Dichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
trans-1,3-Dichloropropene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Trichloroethene	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Trichlorofluoromethane	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Vinyl chloride	ND		0.0049	mg/Kg-dry	1	7/12/2024 02:37 PM
Xylenes, Total	ND		0.0098	mg/Kg-dry	1	7/12/2024 02:37 PM
Surr: 4-Bromofluorobenzene	*103*		*88.4-119*	*%REC*	1	7/12/2024 02:37 PM
Surr: Dibromofluoromethane	*106*		*83.2-134*	*%REC*	1	7/12/2024 02:37 PM
Surr: Toluene-d8	*102*		*87.2-118*	*%REC*	1	7/12/2024 02:37 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: J-1.25 (6-8) **Lab ID:** 24070148-18
Collection Date: 7/1/2024 03:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**6.1**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,1,1-Trichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,1,2,2-Tetrachloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,1,2-Trichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,1-Dichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,1-Dichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,1-Dichloropropene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2,3-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2,3-Trichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2,4-Trichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2,4-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2-Dibromo-3-chloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2-Dibromoethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2-Dichloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,3,5-Trimethylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,3-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,3-Dichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
1,4-Dichlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
2,2-Dichloropropane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
2-Butanone	ND		0.054	mg/Kg-dry	1	7/12/2024 02:53 PM
2-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
2-Hexanone	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
4-Chlorotoluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
4-Methyl-2-pentanone	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Acetone	ND		0.054	mg/Kg-dry	1	7/12/2024 02:53 PM
Benzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Bromobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Bromochloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Bromodichloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Bromoform	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Bromomethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Carbon disulfide	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Carbon tetrachloride	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Chlorobenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: J-1.25 (6-8) **Lab ID:** 24070148-18
Collection Date: 7/1/2024 03:25 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Chloroform	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Chloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
cis-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
cis-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Dibromochloromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Dibromomethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Dichlorodifluoromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Ethylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Hexachlorobutadiene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Isopropylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
m,p-Xylene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Methyl tert-butyl ether	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Methylene chloride	ND		0.022	mg/Kg-dry	1	7/12/2024 02:53 PM
Naphthalene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
n-Butylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
n-Propylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
o-Xylene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
p-Isopropyltoluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
sec-Butylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Styrene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
tert-Butylbenzene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Tetrachloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Toluene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
trans-1,2-Dichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
trans-1,3-Dichloropropene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Trichloroethene	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Trichlorofluoromethane	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Vinyl chloride	ND		0.0054	mg/Kg-dry	1	7/12/2024 02:53 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	7/12/2024 02:53 PM
Surr: 4-Bromofluorobenzene	*121*	S	*88.4-119*	*%REC*	1	7/12/2024 02:53 PM
Surr: Dibromofluoromethane	*106*		*83.2-134*	*%REC*	1	7/12/2024 02:53 PM
Surr: Toluene-d8	*94.0*		*87.2-118*	*%REC*	1	7/12/2024 02:53 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-1.5 (6-8) **Lab ID:** 24070148-20
Collection Date: 7/1/2024 03:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**7.9**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	7/12/2024 03:10 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Acetone	ND		0.050	mg/Kg-dry	1	7/12/2024 03:10 PM
Benzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-1.5 (6-8) **Lab ID:** 24070148-20
Collection Date: 7/1/2024 03:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	7/12/2024 03:10 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Styrene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Toluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:10 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	7/12/2024 03:10 PM
Surr: 4-Bromofluorobenzene	*104*		*88.4-119*	*%REC*	1	7/12/2024 03:10 PM
Surr: Dibromofluoromethane	*103*		*83.2-134*	*%REC*	1	7/12/2024 03:10 PM
Surr: Toluene-d8	*98.3*		*87.2-118*	*%REC*	1	7/12/2024 03:10 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-1.5 (8-10) **Lab ID:** 24070148-21
Collection Date: 7/1/2024 03:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**6.7**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	7/12/2024 03:27 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Acetone	ND		0.050	mg/Kg-dry	1	7/12/2024 03:27 PM
Benzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: I-1.5 (8-10) **Lab ID:** 24070148-21
Collection Date: 7/1/2024 03:00 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	7/12/2024 03:27 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Styrene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Toluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Trichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:27 PM
Xylenes, Total	ND		0.0099	mg/Kg-dry	1	7/12/2024 03:27 PM
Surr: 4-Bromofluorobenzene	*110*		*88.4-119*	*%REC*	1	7/12/2024 03:27 PM
Surr: Dibromofluoromethane	*102*		*83.2-134*	*%REC*	1	7/12/2024 03:27 PM
Surr: Toluene-d8	*93.3*		*87.2-118*	*%REC*	1	7/12/2024 03:27 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-1.5 (4-6) **Lab ID:** 24070148-23
Collection Date: 7/1/2024 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**17**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,1,1-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,1,2,2-Tetrachloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,1,2-Trichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,1-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,1-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,1-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2,3-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2,3-Trichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2,4-Trichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2,4-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2-Dibromo-3-chloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2-Dibromoethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2-Dichloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,3,5-Trimethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,3-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,3-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
1,4-Dichlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
2,2-Dichloropropane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
2-Butanone	ND		0.050	mg/Kg-dry	1	7/12/2024 03:43 PM
2-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
2-Hexanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
4-Chlorotoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
4-Methyl-2-pentanone	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Acetone	ND		0.050	mg/Kg-dry	1	7/12/2024 03:43 PM
Benzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Bromobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Bromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Bromodichloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Bromoform	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Bromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Carbon disulfide	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Carbon tetrachloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Chlorobenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-1.5 (4-6) **Lab ID:** 24070148-23
Collection Date: 7/1/2024 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Chloroform	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Chloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
cis-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
cis-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Dibromochloromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Dibromomethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Dichlorodifluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Ethylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Hexachlorobutadiene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Isopropylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
m,p-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Methyl tert-butyl ether	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Methylene chloride	ND		0.020	mg/Kg-dry	1	7/12/2024 03:43 PM
Naphthalene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
n-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
n-Propylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
o-Xylene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
p-Isopropyltoluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
sec-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Styrene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
tert-Butylbenzene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Tetrachloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Toluene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
trans-1,2-Dichloroethene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
trans-1,3-Dichloropropene	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Trichloroethene	**0.055**		**0.0050**	**mg/Kg-dry**	1	7/12/2024 03:43 PM
Trichlorofluoromethane	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Vinyl chloride	ND		0.0050	mg/Kg-dry	1	7/12/2024 03:43 PM
Xylenes, Total	ND		0.010	mg/Kg-dry	1	7/12/2024 03:43 PM
Surr: 4-Bromofluorobenzene	*105*		*88.4-119*	*%REC*	1	7/12/2024 03:43 PM
Surr: Dibromofluoromethane	*109*		*83.2-134*	*%REC*	1	7/12/2024 03:43 PM
Surr: Toluene-d8	*98.5*		*87.2-118*	*%REC*	1	7/12/2024 03:43 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-1.5 (10-12) **Lab ID:** 24070148-24
Collection Date: 7/1/2024 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**10**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,1,1-Trichloroethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,1,2,2-Tetrachloroethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,1,2-Trichloroethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,1-Dichloroethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,1-Dichloroethene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,1-Dichloropropene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2,3-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2,3-Trichloropropane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2,4-Trichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2,4-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2-Dibromo-3-chloropropane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2-Dibromoethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2-Dichloroethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,3,5-Trimethylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,3-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,3-Dichloropropane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
1,4-Dichlorobenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
2,2-Dichloropropane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
2-Butanone	ND		0.053	mg/Kg-dry	1	7/12/2024 04:00 PM
2-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
2-Hexanone	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
4-Chlorotoluene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
4-Methyl-2-pentanone	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Acetone	ND		0.053	mg/Kg-dry	1	7/12/2024 04:00 PM
Benzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Bromobenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Bromochloromethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Bromodichloromethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Bromoform	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Bromomethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Carbon disulfide	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Carbon tetrachloride	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Chlorobenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: G-1.5 (10-12) **Lab ID:** 24070148-24
Collection Date: 7/1/2024 02:40 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Chloroform	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Chloromethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
cis-1,2-Dichloroethene	**0.020**		**0.0053**	**mg/Kg-dry**	1	7/12/2024 04:00 PM
cis-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Dibromochloromethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Dibromomethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Dichlorodifluoromethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Ethylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Hexachlorobutadiene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Isopropylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
m,p-Xylene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Methyl tert-butyl ether	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Methylene chloride	ND		0.021	mg/Kg-dry	1	7/12/2024 04:00 PM
Naphthalene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
n-Butylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
n-Propylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
o-Xylene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
p-Isopropyltoluene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
sec-Butylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Styrene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
tert-Butylbenzene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Tetrachloroethene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Toluene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
trans-1,2-Dichloroethene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
trans-1,3-Dichloropropene	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Trichloroethene	**0.16**		**0.0053**	**mg/Kg-dry**	1	7/12/2024 04:00 PM
Trichlorofluoromethane	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Vinyl chloride	ND		0.0053	mg/Kg-dry	1	7/12/2024 04:00 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	7/12/2024 04:00 PM
Surr: 4-Bromofluorobenzene	*101*		*88.4-119*	*%REC*	1	7/12/2024 04:00 PM
Surr: Dibromofluoromethane	*112*		*83.2-134*	*%REC*	1	7/12/2024 04:00 PM
Surr: Toluene-d8	*98.5*		*87.2-118*	*%REC*	1	7/12/2024 04:00 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-1 (4-6) **Lab ID:** 24070148-26
Collection Date: 7/1/2024 03:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**14**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,1,1-Trichloroethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,1,2,2-Tetrachloroethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,1,2-Trichloroethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,1-Dichloroethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,1-Dichloroethene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,1-Dichloropropene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2,3-Trichlorobenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2,3-Trichloropropane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2,4-Trichlorobenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2,4-Trimethylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2-Dibromo-3-chloropropane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2-Dibromoethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2-Dichloroethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,2-Dichloropropane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,3,5-Trimethylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,3-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,3-Dichloropropane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
1,4-Dichlorobenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
2,2-Dichloropropane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
2-Butanone	ND		0.063	mg/Kg-dry	1	7/12/2024 04:33 PM
2-Chlorotoluene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
2-Hexanone	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
4-Chlorotoluene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
4-Methyl-2-pentanone	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Acetone	**0.077**		**0.063**	**mg/Kg-dry**	1	7/12/2024 04:33 PM
Benzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Bromobenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Bromochloromethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Bromodichloromethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Bromoform	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Bromomethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Carbon disulfide	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Carbon tetrachloride	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Chlorobenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-1 (4-6) **Lab ID:** 24070148-26
Collection Date: 7/1/2024 03:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Chloroform	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Chloromethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
cis-1,2-Dichloroethene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
cis-1,3-Dichloropropene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Dibromochloromethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Dibromomethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Dichlorodifluoromethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Ethylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Hexachlorobutadiene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Isopropylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
m,p-Xylene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Methyl tert-butyl ether	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Methylene chloride	ND		0.025	mg/Kg-dry	1	7/12/2024 04:33 PM
Naphthalene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
n-Butylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
n-Propylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
o-Xylene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
p-Isopropyltoluene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
sec-Butylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Styrene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
tert-Butylbenzene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Tetrachloroethene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Toluene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
trans-1,2-Dichloroethene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
trans-1,3-Dichloropropene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Trichloroethene	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Trichlorofluoromethane	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Vinyl chloride	ND		0.0063	mg/Kg-dry	1	7/12/2024 04:33 PM
Xylenes, Total	ND		0.013	mg/Kg-dry	1	7/12/2024 04:33 PM
Surr: 4-Bromofluorobenzene	*102*		*88.4-119*	*%REC*	1	7/12/2024 04:33 PM
Surr: Dibromofluoromethane	*100*		*83.2-134*	*%REC*	1	7/12/2024 04:33 PM
Surr: Toluene-d8	*100*		*87.2-118*	*%REC*	1	7/12/2024 04:33 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-1 (8-10) **Lab ID:** 24070148-27
Collection Date: 7/1/2024 03:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**17**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,1,1-Trichloroethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,1,2,2-Tetrachloroethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,1,2-Trichloroethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,1-Dichloroethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,1-Dichloroethene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,1-Dichloropropene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2,3-Trichlorobenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2,3-Trichloropropane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2,4-Trichlorobenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2,4-Trimethylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2-Dibromo-3-chloropropane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2-Dibromoethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2-Dichlorobenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2-Dichloroethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,2-Dichloropropane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,3,5-Trimethylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,3-Dichlorobenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,3-Dichloropropane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
1,4-Dichlorobenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
2,2-Dichloropropane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
2-Butanone	ND		0.087	mg/Kg-dry	1	7/12/2024 04:49 PM
2-Chlorotoluene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
2-Hexanone	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
4-Chlorotoluene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
4-Methyl-2-pentanone	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Acetone	ND		0.087	mg/Kg-dry	1	7/12/2024 04:49 PM
Benzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Bromobenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Bromochloromethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Bromodichloromethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Bromoform	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Bromomethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Carbon disulfide	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Carbon tetrachloride	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Chlorobenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: H-1 (8-10) **Lab ID:** 24070148-27
Collection Date: 7/1/2024 03:45 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Chloroform	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Chloromethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
cis-1,2-Dichloroethene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
cis-1,3-Dichloropropene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Dibromochloromethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Dibromomethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Dichlorodifluoromethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Ethylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Hexachlorobutadiene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Isopropylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
m,p-Xylene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Methyl tert-butyl ether	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Methylene chloride	ND		0.035	mg/Kg-dry	1	7/12/2024 04:49 PM
Naphthalene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
n-Butylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
n-Propylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
o-Xylene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
p-Isopropyltoluene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
sec-Butylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Styrene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
tert-Butylbenzene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Tetrachloroethene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Toluene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
trans-1,2-Dichloroethene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
trans-1,3-Dichloropropene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Trichloroethene	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Trichlorofluoromethane	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Vinyl chloride	ND		0.0087	mg/Kg-dry	1	7/12/2024 04:49 PM
Xylenes, Total	ND		0.017	mg/Kg-dry	1	7/12/2024 04:49 PM
Surr: 4-Bromofluorobenzene	*103*		*88.4-119*	*%REC*	1	7/12/2024 04:49 PM
Surr: Dibromofluoromethane	*107*		*83.2-134*	*%REC*	1	7/12/2024 04:49 PM
Surr: Toluene-d8	*99.8*		*87.2-118*	*%REC*	1	7/12/2024 04:49 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: EB-07012024 **Lab ID:** 24070148-28
Collection Date: 7/1/2024 04:30 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	7/11/2024 02:13 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	7/11/2024 02:13 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
2-Butanone	ND		50	µg/L	1	7/11/2024 02:13 PM
2-Chlorotoluene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
2-Hexanone	ND		5.0	µg/L	1	7/11/2024 02:13 PM
4-Chlorotoluene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Acetone	ND		50	µg/L	1	7/11/2024 02:13 PM
Benzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Bromobenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Bromochloromethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Bromodichloromethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Bromoform	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Bromomethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Carbon disulfide	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Carbon tetrachloride	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Chlorobenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Chloroethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Chloroform	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Chloromethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: EB-07012024 **Lab ID:** 24070148-28
Collection Date: 7/1/2024 04:30 PM **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Dibromochloromethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Dibromomethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Ethylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Isopropylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
m,p-Xylene	ND		10	µg/L	1	7/11/2024 02:13 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Methylene chloride	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Naphthalene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
n-Butylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
n-Propylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
o-Xylene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
sec-Butylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Styrene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
tert-Butylbenzene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Tetrachloroethene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Toluene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Trichloroethene	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	7/11/2024 02:13 PM
Vinyl chloride	ND		2.0	µg/L	1	7/11/2024 02:13 PM
Xylenes, Total	ND		15	µg/L	1	7/11/2024 02:13 PM
Surr: 4-Bromofluorobenzene	*118*		*61-131*	*%REC*	1	7/11/2024 02:13 PM
Surr: Dibromofluoromethane	*117*		*72-137*	*%REC*	1	7/11/2024 02:13 PM
Surr: Toluene-d8	*104*		*93.7-124*	*%REC*	1	7/11/2024 02:13 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (10-12) **Lab ID:** 24070148-29
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**11**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **RA**
1,1,1,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,1,1-Trichloroethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,1,2,2-Tetrachloroethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,1,2-Trichloroethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,1-Dichloroethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,1-Dichloroethene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,1-Dichloropropene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2,3-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2,3-Trichloropropane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2,4-Trichlorobenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2,4-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2-Dibromo-3-chloropropane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2-Dibromoethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2-Dichloroethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,3,5-Trimethylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,3-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,3-Dichloropropane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
1,4-Dichlorobenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
2,2-Dichloropropane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
2-Butanone	ND		0.057	mg/Kg-dry	1	7/12/2024 05:57 PM
2-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
2-Hexanone	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
4-Chlorotoluene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
4-Methyl-2-pentanone	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Acetone	ND		0.057	mg/Kg-dry	1	7/12/2024 05:57 PM
Benzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Bromobenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Bromochloromethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Bromodichloromethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Bromoform	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Bromomethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Carbon disulfide	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Carbon tetrachloride	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Chlorobenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (10-12) **Lab ID:** 24070148-29
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Chloroform	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Chloromethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
cis-1,2-Dichloroethene	**0.090**		**0.0057**	**mg/Kg-dry**	1	7/12/2024 05:57 PM
cis-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Dibromochloromethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Dibromomethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Dichlorodifluoromethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Ethylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Hexachlorobutadiene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Isopropylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
m,p-Xylene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Methyl tert-butyl ether	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Methylene chloride	ND		0.023	mg/Kg-dry	1	7/12/2024 05:57 PM
Naphthalene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
n-Butylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
n-Propylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
o-Xylene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
p-Isopropyltoluene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
sec-Butylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Styrene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
tert-Butylbenzene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Tetrachloroethene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Toluene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
trans-1,2-Dichloroethene	**0.0063**		**0.0057**	**mg/Kg-dry**	1	7/12/2024 05:57 PM
trans-1,3-Dichloropropene	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Trichloroethene	**0.013**		**0.0057**	**mg/Kg-dry**	1	7/12/2024 05:57 PM
Trichlorofluoromethane	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Vinyl chloride	ND		0.0057	mg/Kg-dry	1	7/12/2024 05:57 PM
Xylenes, Total	ND		0.011	mg/Kg-dry	1	7/12/2024 05:57 PM
Surr: 4-Bromofluorobenzene	*114*		*88.4-119*	*%REC*	1	7/12/2024 05:57 PM
Surr: Dibromofluoromethane	*118*		*83.2-134*	*%REC*	1	7/12/2024 05:57 PM
Surr: Toluene-d8	*114*		*87.2-118*	*%REC*	1	7/12/2024 05:57 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (2-4) #2-11:45 **Lab ID:** 24070148-30
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			**SM2540B**			Analyst: **CS**
Moisture	**7.4**			**% of sample**	1	7/11/2024
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **SK**
1,1,1,2-Tetrachloroethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,1,1-Trichloroethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,1,2,2-Tetrachloroethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,1,2-Trichloroethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,1-Dichloroethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,1-Dichloroethene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,1-Dichloropropene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2,3-Trichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2,3-Trichloropropane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2,4-Trichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2,4-Trimethylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2-Dibromo-3-chloropropane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2-Dibromoethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2-Dichloroethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,2-Dichloropropane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,3,5-Trimethylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,3-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,3-Dichloropropane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
1,4-Dichlorobenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
2,2-Dichloropropane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
2-Butanone	ND		0.039	mg/Kg-dry	1	7/11/2024 02:54 PM
2-Chlorotoluene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
2-Hexanone	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
4-Chlorotoluene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
4-Methyl-2-pentanone	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Acetone	ND		0.039	mg/Kg-dry	1	7/11/2024 02:54 PM
Benzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Bromobenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Bromochloromethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Bromodichloromethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Bromoform	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Bromomethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Carbon disulfide	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Carbon tetrachloride	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Chlorobenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: DUP-07012024 (2-4) #2-11:45 **Lab ID:** 24070148-30
Collection Date: 7/1/2024 11:45 AM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Chloroform	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Chloromethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
cis-1,2-Dichloroethene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
cis-1,3-Dichloropropene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Dibromochloromethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Dibromomethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Dichlorodifluoromethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Ethylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Hexachlorobutadiene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Isopropylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
m,p-Xylene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Methyl tert-butyl ether	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Methylene chloride	ND		0.016	mg/Kg-dry	1	7/11/2024 02:54 PM
Naphthalene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
n-Butylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
n-Propylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
o-Xylene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
p-Isopropyltoluene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
sec-Butylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Styrene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
tert-Butylbenzene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Tetrachloroethene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Toluene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
trans-1,2-Dichloroethene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
trans-1,3-Dichloropropene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Trichloroethene	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Trichlorofluoromethane	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Vinyl chloride	ND		0.0039	mg/Kg-dry	1	7/11/2024 02:54 PM
Xylenes, Total	ND		0.0079	mg/Kg-dry	1	7/11/2024 02:54 PM
Surr: 4-Bromofluorobenzene	*101*		*88.4-119*	*%REC*	1	7/11/2024 02:54 PM
Surr: Dibromofluoromethane	*104*		*83.2-134*	*%REC*	1	7/11/2024 02:54 PM
Surr: Toluene-d8	*102*		*87.2-118*	*%REC*	1	7/11/2024 02:54 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: SB-02A (10-12) **Lab ID:** 24070148-31
Collection Date: 7/1/2024 04:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP MERCURY BY CVAA			**SW7470A**		Leachate: SW1311 / 7/18/24 Prep: SW7470A 7/19/24 10:55	Analyst: **CW**
Mercury	ND		0.00050	mg/L	1	7/19/2024 12:55 PM
TCLP METALS BY ICP			**SW6010B**		Leachate: SW1311 / 7/18/24 Prep: SW3010A 7/19/24 10:54	Analyst: **CW**
Arsenic	ND		0.10	mg/L	1	7/19/2024 12:23 PM
Barium	**0.14**		**0.10**	**mg/L**	1	7/19/2024 12:23 PM
Cadmium	ND		0.10	mg/L	1	7/19/2024 12:23 PM
Chromium	ND		0.10	mg/L	1	7/19/2024 12:23 PM
Lead	ND		0.10	mg/L	1	7/19/2024 12:23 PM
Selenium	ND		0.10	mg/L	1	7/19/2024 12:23 PM
Silver	ND		0.10	mg/L	1	7/19/2024 12:23 PM
TCLP SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep: SW3510C 7/16/24 15:55	Analyst: **DTL**
1,4-Dichlorobenzene	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
2,4,5-Trichlorophenol	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
2,4,6-Trichlorophenol	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
2,4-Dinitrotoluene	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
2-Methylphenol	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
3&4-Methylphenol	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
Hexachlorobenzene	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
Hexachlorobutadiene	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
Hexachloroethane	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
Nitrobenzene	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
Pentachlorophenol	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
Pyridine	ND		0.0100	mg/L	1	7/18/2024 06:39 PM
Surr: 2,4,6-Tribromophenol	*64.1*		*23.6-120*	*%REC*	1	7/18/2024 06:39 PM
Surr: 2-Fluorobiphenyl	*54.5*		*13.4-123*	*%REC*	1	7/18/2024 06:39 PM
Surr: 2-Fluorophenol	*34.8*		*12-89*	*%REC*	1	7/18/2024 06:39 PM
Surr: 4-Terphenyl-d14	*54.1*		*24.8-122*	*%REC*	1	7/18/2024 06:39 PM
Surr: Nitrobenzene-d5	*58.3*		*28-120*	*%REC*	1	7/18/2024 06:39 PM
Surr: Phenol-d6	*22.7*		*4.27-70.1*	*%REC*	1	7/18/2024 06:39 PM
TCLP VOLATILE ORGANIC COMPOUNDS BY EPA1311/8260			**SW8260B**		Leachate: SW1311 / 7/10/24	Analyst: **TJH**
1,1-Dichloroethene	ND		0.10	mg/L	20	7/10/2024 05:10 PM
1,2-Dichloroethane	ND		0.10	mg/L	20	7/10/2024 05:10 PM
1,4-Dichlorobenzene	ND		0.10	mg/L	20	7/10/2024 05:10 PM
2-Butanone	ND		0.10	mg/L	20	7/10/2024 05:10 PM
Benzene	ND		0.10	mg/L	20	7/10/2024 05:10 PM
Carbon tetrachloride	ND		0.10	mg/L	20	7/10/2024 05:10 PM
Chlorobenzene	ND		0.10	mg/L	20	7/10/2024 05:10 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: SB-02A (10-12) **Lab ID:** 24070148-31
Collection Date: 7/1/2024 04:20 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.10	mg/L	20	7/10/2024 05:10 PM
Tetrachloroethene	ND		0.10	mg/L	20	7/10/2024 05:10 PM
Trichloroethene	ND		0.10	mg/L	20	7/10/2024 05:10 PM
Vinyl chloride	ND		0.10	mg/L	20	7/10/2024 05:10 PM
Surr: Bromofluorobenzene	*90.9*		*61-131*	*%REC*	20	7/10/2024 05:10 PM
Surr: Dibromofluoromethane	*102*		*89.4-141*	*%REC*	20	7/10/2024 05:10 PM
Surr: Toluene-d8	*99.6*		*93.4-124*	*%REC*	20	7/10/2024 05:10 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: F-3A (8-10) **Lab ID:** 24070148-32
Collection Date: 7/1/2024 04:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
TCLP MERCURY BY CVAA			**SW7470A**		Leachate: SW1311 / 7/18/24 Prep: SW7470A 7/19/24 10:55	Analyst: **CW**
Mercury	ND		0.00050	mg/L	1	7/19/2024 01:01 PM
TCLP METALS BY ICP			**SW6010B**		Leachate: SW1311 / 7/18/24 Prep: SW3010A 7/19/24 10:54	Analyst: **CW**
Arsenic	ND		0.10	mg/L	1	7/19/2024 12:27 PM
Barium	**0.21**		**0.10**	**mg/L**	1	7/19/2024 12:27 PM
Cadmium	ND		0.10	mg/L	1	7/19/2024 12:27 PM
Chromium	ND		0.10	mg/L	1	7/19/2024 12:27 PM
Lead	ND		0.10	mg/L	1	7/19/2024 12:27 PM
Selenium	ND		0.10	mg/L	1	7/19/2024 12:27 PM
Silver	ND		0.10	mg/L	1	7/19/2024 12:27 PM
TCLP SEMI-VOLATILE ORGANIC COMPOUNDS			**SW8270C**		Prep: SW3510C 7/16/24 15:55	Analyst: **DTL**
1,4-Dichlorobenzene	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
2,4,5-Trichlorophenol	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
2,4,6-Trichlorophenol	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
2,4-Dinitrotoluene	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
2-Methylphenol	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
3&4-Methylphenol	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
Hexachlorobenzene	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
Hexachlorobutadiene	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
Hexachloroethane	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
Nitrobenzene	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
Pentachlorophenol	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
Pyridine	ND		0.0100	mg/L	1	7/18/2024 06:56 PM
Surr: 2,4,6-Tribromophenol	*83.6*		*23.6-120*	*%REC*	1	7/18/2024 06:56 PM
Surr: 2-Fluorobiphenyl	*69.7*		*13.4-123*	*%REC*	1	7/18/2024 06:56 PM
Surr: 2-Fluorophenol	*43.9*		*12-89*	*%REC*	1	7/18/2024 06:56 PM
Surr: 4-Terphenyl-d14	*62.0*		*24.8-122*	*%REC*	1	7/18/2024 06:56 PM
Surr: Nitrobenzene-d5	*73.0*		*28-120*	*%REC*	1	7/18/2024 06:56 PM
Surr: Phenol-d6	*29.5*		*4.27-70.1*	*%REC*	1	7/18/2024 06:56 PM
TCLP VOLATILE ORGANIC COMPOUNDS BY EPA1311/8260			**SW8260B**		Leachate: SW1311 / 7/10/24	Analyst: **TJH**
1,1-Dichloroethene	ND		0.10	mg/L	20	7/10/2024 05:28 PM
1,2-Dichloroethane	ND		0.10	mg/L	20	7/10/2024 05:28 PM
1,4-Dichlorobenzene	ND		0.10	mg/L	20	7/10/2024 05:28 PM
2-Butanone	ND		0.10	mg/L	20	7/10/2024 05:28 PM
Benzene	ND		0.10	mg/L	20	7/10/2024 05:28 PM
Carbon tetrachloride	ND		0.10	mg/L	20	7/10/2024 05:28 PM
Chlorobenzene	ND		0.10	mg/L	20	7/10/2024 05:28 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: F-3A (8-10) **Lab ID:** 24070148-32
Collection Date: 7/1/2024 04:30 PM **Matrix:** SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Chloroform	ND		0.10	mg/L	20	7/10/2024 05:28 PM
Tetrachloroethene	**0.10**		**0.10**	**mg/L**	20	7/10/2024 05:28 PM
Trichloroethene	**4.6**		**1.0**	**mg/L**	200	7/11/2024 04:21 PM
Vinyl chloride	ND		0.10	mg/L	20	7/10/2024 05:28 PM
Surr: Bromofluorobenzene	*100*		*61-131*	*%REC*	20	7/10/2024 05:28 PM
Surr: Dibromofluoromethane	*108*		*89.4-141*	*%REC*	20	7/10/2024 05:28 PM
Surr: Toluene-d8	*100*		*93.4-124*	*%REC*	20	7/10/2024 05:28 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: Trip Blank **Lab ID:** 24070148-33
Collection Date: 7/1/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TJH**
1,1,1,2-Tetrachloroethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,1,1-Trichloroethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,1,2,2-Tetrachloroethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,1,2-Trichloroethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,1-Dichloroethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,1-Dichloroethene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,1-Dichloropropene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,2,3-Trichlorobenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,2,3-Trichloropropane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,2,4-Trichlorobenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,2,4-Trimethylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,2-Dibromo-3-chloropropane	ND		0.20	µg/L	1	7/11/2024 01:55 PM
1,2-Dibromoethane	ND		0.050	µg/L	1	7/11/2024 01:55 PM
1,2-Dichlorobenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,2-Dichloroethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,2-Dichloropropane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,3,5-Trimethylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,3-Dichlorobenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,3-Dichloropropane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
1,4-Dichlorobenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
2,2-Dichloropropane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
2-Butanone	ND		50	µg/L	1	7/11/2024 01:55 PM
2-Chlorotoluene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
2-Hexanone	ND		5.0	µg/L	1	7/11/2024 01:55 PM
4-Chlorotoluene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
4-Methyl-2-pentanone	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Acetone	ND		50	µg/L	1	7/11/2024 01:55 PM
Benzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Bromobenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Bromochloromethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Bromodichloromethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Bromoform	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Bromomethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Carbon disulfide	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Carbon tetrachloride	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Chlorobenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Chloroethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Chloroform	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Chloromethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM

Note:

ALS Environmental

Date: *19-Jul-24*

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16 **Work Order:** 24070148
Sample ID: Trip Blank **Lab ID:** 24070148-33
Collection Date: 7/1/2024 **Matrix:** WATER

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
cis-1,2-Dichloroethene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
cis-1,3-Dichloropropene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Dibromochloromethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Dibromomethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Dichlorodifluoromethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Ethylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Hexachlorobutadiene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Isopropylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
m,p-Xylene	ND		10	µg/L	1	7/11/2024 01:55 PM
Methyl tert-butyl ether	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Methylene chloride	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Naphthalene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
n-Butylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
n-Propylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
o-Xylene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
p-Isopropyltoluene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
sec-Butylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Styrene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
tert-Butylbenzene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Tetrachloroethene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Toluene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
trans-1,2-Dichloroethene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
trans-1,3-Dichloropropene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Trichloroethene	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Trichlorofluoromethane	ND		5.0	µg/L	1	7/11/2024 01:55 PM
Vinyl chloride	ND		2.0	µg/L	1	7/11/2024 01:55 PM
Xylenes, Total	ND		15	µg/L	1	7/11/2024 01:55 PM
Surr: 4-Bromofluorobenzene	*98.7*		*61-131*	*%REC*	1	7/11/2024 01:55 PM
Surr: Dibromofluoromethane	*106*		*72-137*	*%REC*	1	7/11/2024 01:55 PM
Surr: Toluene-d8	*95.2*		*93.7-124*	*%REC*	1	7/11/2024 01:55 PM

Note:

ALS Environmental

Date: 19-Jul-24

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **101174** Instrument ID **HG2** Method: **SW7470A**

MBLK Sample ID: **MBLK-101174-101174** Units: **µg/L** Analysis Date: **7/19/2024 12:49 PM**
Client ID: Run ID: **HG2_240719A** SeqNo: **3456839** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	ND	0.50								

LCS Sample ID: **LCS-101174-101174** Units: **µg/L** Analysis Date: **7/19/2024 12:51 PM**
Client ID: Run ID: **HG2_240719A** SeqNo: **3456840** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	4.45	0.50	5	0	89	65.8-133	0			

LCSD Sample ID: **LCSD-101174-101174** Units: **µg/L** Analysis Date: **7/19/2024 12:53 PM**
Client ID: Run ID: **HG2_240719A** SeqNo: **3456841** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.5	0.50	5	0	110	65.8-133	4.45	21.1	20	R

MS Sample ID: **24070148-31B MS** Units: **µg/L** Analysis Date: **7/19/2024 12:57 PM**
Client ID: **SB-02A (10-12)** Run ID: **HG2_240719A** SeqNo: **3456843** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.56	0.50	5	0	111	72.2-116	0			

MSD Sample ID: **24070148-31B MSD** Units: **µg/L** Analysis Date: **7/19/2024 12:59 PM**
Client ID: **SB-02A (10-12)** Run ID: **HG2_240719A** SeqNo: **3456844** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	5.14	0.50	5	0	103	72.2-116	5.56	7.85	20	

The following samples were analyzed in this batch: 24070148-31B 24070148-32B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **101173** Instrument ID **ICP4** Method: **SW6010B**

MBLK Sample ID: **MBLK-101173-101173** Units: **mg/L** Analysis Date: **7/19/2024 12:18 PM**

Client ID: Run ID: **ICP4_240719B** SeqNo: **3456711** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0445	0.10								J
Barium	ND	0.10								
Cadmium	0.003	0.10								J
Chromium	ND	0.10								
Lead	ND	0.10								
Selenium	0.038	0.10								J
Silver	ND	0.10								

LCS Sample ID: **LCS-101173-101173** Units: **mg/L** Analysis Date: **7/19/2024 12:20 PM**

Client ID: Run ID: **ICP4_240719B** SeqNo: **3456712** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.962	0.10	5	0	99.2	71.8-122	0			
Barium	5.12	0.10	5	0	102	75.5-122	0			
Cadmium	5.105	0.10	5	0	102	78.7-116	0			
Chromium	4.919	0.10	5	0	98.4	75.6-108	0			
Lead	4.71	0.10	5	0	94.2	70.1-111	0			
Selenium	5.295	0.10	5	0	106	78.8-119	0			
Silver	4.876	0.10	5	0	97.5	69.5-118	0			

LCSD Sample ID: **LCSD-101173-101173** Units: **mg/L** Analysis Date: **7/19/2024 12:21 PM**

Client ID: Run ID: **ICP4_240719B** SeqNo: **3456713** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.645	0.10	5	0	113	71.8-122	4.962	12.9	20	
Barium	5.845	0.10	5	0	117	75.5-122	5.12	13.2	20	
Cadmium	5.78	0.10	5	0	116	78.7-116	5.105	12.4	20	
Chromium	5.58	0.10	5	0	112	75.6-108	4.919	12.6	20	S
Lead	5.335	0.10	5	0	107	70.1-111	4.71	12.5	20	
Selenium	5.87	0.10	5	0	117	78.8-119	5.295	10.3	20	
Silver	5.535	0.10	5	0	111	69.5-118	4.876	12.7	20	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **101173** Instrument ID **ICP4** Method: **SW6010B**

MS Sample ID: **24070148-31B MS** Units: **mg/L** Analysis Date: **7/19/2024 12:24 PM**

Client ID: **SB-02A (10-12)** Run ID: **ICP4_240719B** SeqNo: **3456715** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5	0.10	5	0.0535	98.9	75-125	0			
Barium	5.335	0.10	5	0.1445	104	72.6-107	0			
Cadmium	5.125	0.10	5	0	102	73-113	0			
Chromium	4.938	0.10	5	0	98.8	70.3-109	0			
Lead	4.721	0.10	5	0	94.4	71.2-106	0			
Selenium	5.155	0.10	5	0	103	75-125	0			
Silver	4.926	0.10	5	0	98.5	65.4-115	0			

MSD Sample ID: **24070148-31B MSD** Units: **mg/L** Analysis Date: **7/19/2024 12:26 PM**

Client ID: **SB-02A (10-12)** Run ID: **ICP4_240719B** SeqNo: **3456716** Prep Date: **7/19/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	5.435	0.10	5	0.0535	108	75-125	5	8.34	20	
Barium	5.775	0.10	5	0.1445	113	72.6-107	5.335	7.92	20	S
Cadmium	5.6	0.10	5	0	112	73-113	5.125	8.86	20	
Chromium	5.4	0.10	5	0	108	70.3-109	4.938	8.93	20	
Lead	5.165	0.10	5	0	103	71.2-106	4.721	8.98	20	
Selenium	5.71	0.10	5	0	114	75-125	5.155	10.2	20	
Silver	5.305	0.10	5	0	106	65.4-115	4.926	7.4	20	

The following samples were analyzed in this batch: 24070148-31B 24070148-32B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **100062** Instrument ID **SVMS4** Method: **SW8270C**

MBLK Sample ID: **MBLK-100062-100062** Units: **mg/L** Analysis Date: **7/16/2024 07:08 PM**

Client ID: Run ID: **SVMS4_240716A** SeqNo: **3452555** Prep Date: **7/16/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	ND	0.010								
2,4,5-Trichlorophenol	ND	0.010								
2,4,6-Trichlorophenol	ND	0.010								
2,4-Dinitrotoluene	ND	0.010								
2-Methylphenol	ND	0.010								
3&4-Methylphenol	ND	0.010								
Hexachlorobenzene	ND	0.010								
Hexachlorobutadiene	ND	0.010								
Hexachloroethane	ND	0.010								
Nitrobenzene	ND	0.010								
Pentachlorophenol	ND	0.010								
Pyridine	ND	0.010								
Surr: 2,4,6-Tribromophenol	*0.05723*	0	*0.08*	0	*71.5*	*23.6-120*	0			
Surr: 2-Fluorobiphenyl	*0.02658*	0	*0.04*	0	*66.4*	*13.4-123*	0			
Surr: 2-Fluorophenol	*0.03379*	0	*0.08*	0	*42.2*	*12-89*	0			
Surr: 4-Terphenyl-d14	*0.03013*	0	*0.04*	0	*75.3*	*24.8-122*	0			
Surr: Nitrobenzene-d5	*0.02824*	0	*0.04*	0	*70.6*	*28-120*	0			
Surr: Phenol-d6	*0.0227*	0	*0.08*	0	*28.4*	*4.27-70.1*	0			

MBLK Sample ID: **MBLK-100062-100062** Units: **µg/L** Analysis Date: **7/16/2024 07:08 PM**

Client ID: Run ID: **SVMS4_240716A** SeqNo: **3452570** Prep Date: **7/16/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	ND	10								
2,4,5-Trichlorophenol	ND	10								
2,4,6-Trichlorophenol	ND	10								
2,4-Dinitrotoluene	ND	10								
2-Methylphenol	ND	10								
3&4-Methylphenol	ND	10								
Hexachlorobenzene	ND	10								
Hexachlorobutadiene	ND	10								
Hexachloroethane	ND	10								
Nitrobenzene	ND	10								
Pentachlorophenol	ND	10								
Pyridine	ND	10								
Surr: 2,4,6-Tribromophenol	*57.23*	0	*80*	0	*71.5*	*9.92-114*	0			
Surr: 2-Fluorobiphenyl	*26.58*	0	*40*	0	*66.4*	*31.5-129*	0			
Surr: 2-Fluorophenol	*33.79*	0	*80*	0	*42.2*	*12-89*	0			
Surr: 4-Terphenyl-d14	*30.13*	0	*40*	0	*75.3*	*38.3-160*	0			
Surr: Nitrobenzene-d5	*28.24*	0	*40*	0	*70.6*	*28-120*	0			
Surr: Phenol-d6	*22.7*	0	*80*	0	*28.4*	*4.27-70.1*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **100062** Instrument ID **SVMS4** Method: **SW8270C**

LCS Sample ID: **LCS-100062-100062** Units: **mg/L** Analysis Date: **7/16/2024 07:27 PM**
Client ID: Run ID: **SVMS4_240716A** SeqNo: **3452556** Prep Date: **7/16/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	0.02618	0.010	0.04	0	65.4	20.5-96.7	0			
2,4,5-Trichlorophenol	0.0346	0.010	0.04	0	86.5	43-123	0			
2,4,6-Trichlorophenol	0.03398	0.010	0.04	0	84.9	37-118	0			
2,4-Dinitrotoluene	0.03466	0.010	0.04	0	86.6	49.1-107	0			
2-Methylphenol	0.02862	0.010	0.04	0	71.6	41-107	0			
3&4-Methylphenol	0.02688	0.010	0.04	0	67.2	21-119	0			
Hexachlorobenzene	0.034	0.010	0.04	0	85	29.7-108	0			
Hexachlorobutadiene	0.0268	0.010	0.04	0	67	28.9-96.7	0			
Hexachloroethane	0.02567	0.010	0.04	0	64.2	24-99	0			
Nitrobenzene	0.03084	0.010	0.04	0	77.1	44-109	0			
Pentachlorophenol	0.03434	0.010	0.04	0	85.8	47.1-129	0			
Pyridine	0.01688	0.010	0.04	0	42.2	12.7-83.9	0			
Surr: 2,4,6-Tribromophenol	*0.07346*	0	*0.08*	0	*91.8*	*23.6-120*	0			
Surr: 2-Fluorobiphenyl	*0.03222*	0	*0.04*	0	*80.6*	*13.4-123*	0			
Surr: 2-Fluorophenol	*0.03928*	0	*0.08*	0	*49.1*	*12-89*	0			
Surr: 4-Terphenyl-d14	*0.03682*	0	*0.04*	0	*92*	*24.8-122*	0			
Surr: Nitrobenzene-d5	*0.03525*	0	*0.04*	0	*88.1*	*28-120*	0			
Surr: Phenol-d6	*0.02622*	0	*0.08*	0	*32.8*	*4.27-70.1*	0			

LCS Sample ID: **LCS-100062-100062** Units: **µg/L** Analysis Date: **7/16/2024 07:27 PM**
Client ID: Run ID: **SVMS4_240716A** SeqNo: **3452572** Prep Date: **7/16/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	26.18	10	40	0	65.4	24.6-94.5	0			
2,4-Dinitrotoluene	34.66	10	40	0	86.6	49.4-114	0			
Pentachlorophenol	34.34	10	40	0	85.8	34.1-130	0			
Surr: 2,4,6-Tribromophenol	*73.46*	0	*80*	0	*91.8*	*9.92-114*	0			
Surr: 2-Fluorobiphenyl	*32.22*	0	*40*	0	*80.6*	*31.5-129*	0			
Surr: 2-Fluorophenol	*39.28*	0	*80*	0	*49.1*	*12-89*	0			
Surr: 4-Terphenyl-d14	*36.82*	0	*40*	0	*92*	*38.3-160*	0			
Surr: Nitrobenzene-d5	*35.25*	0	*40*	0	*88.1*	*28-120*	0			
Surr: Phenol-d6	*26.22*	0	*80*	0	*32.8*	*4.27-70.1*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **100062** Instrument ID **SVMS4** Method: **SW8270C**

MS Sample ID: **24061200-01CMS** Units: **mg/L** Analysis Date: **7/16/2024 07:46 PM**

Client ID: Run ID: **SVMS4_240716A** SeqNo: **3452557** Prep Date: **7/16/2024** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,4-Dichlorobenzene	0.02427	0.010	0.04167	0	58.3	28.4-109	0			
2,4,5-Trichlorophenol	0.03502	0.010	0.04167	0	84	43-123	0			
2,4,6-Trichlorophenol	0.03454	0.010	0.04167	0	82.9	37-118	0			
2,4-Dinitrotoluene	0.03456	0.010	0.04167	0	82.9	16-143	0			
2-Methylphenol	0.02801	0.010	0.04167	0	67.2	41-107	0			
3&4-Methylphenol	0.02786	0.010	0.04167	0	66.9	21-119	0			
Hexachlorobenzene	0.03258	0.010	0.04167	0	78.2	36-103	0			
Hexachlorobutadiene	0.02591	0.010	0.04167	0	62.2	25.5-97.9	0			
Hexachloroethane	0.0243	0.010	0.04167	0	58.3	24-99	0			
Nitrobenzene	0.03309	0.010	0.04167	0	79.4	37.9-113	0			
Pentachlorophenol	0.0357	0.010	0.04167	0	85.7	22-137	0			
Pyridine	0.01747	0.010	0.04167	0	41.9	19-100	0			
Surr: 2,4,6-Tribromophenol	*0.07213*	0	*0.08333*	0	*86.6*	*23.6-120*	0			
Surr: 2-Fluorobiphenyl	*0.03328*	0	*0.04167*	0	*79.9*	*13.4-123*	0			
Surr: 2-Fluorophenol	*0.03974*	0	*0.08333*	0	*47.7*	*12-89*	0			
Surr: 4-Terphenyl-d14	*0.02764*	0	*0.04167*	0	*66.3*	*24.8-122*	0			
Surr: Nitrobenzene-d5	*0.03522*	0	*0.04167*	0	*84.5*	*28-120*	0			
Surr: Phenol-d6	*0.02683*	0	*0.08333*	0	*32.2*	*4.27-70.1*	0			

The following samples were analyzed in this batch: 24070148-31B 24070148-32B

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231591** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **TCLP MBLK-R231591** Units: **mg/L** Analysis Date: **7/10/2024 12:12 PM**

Client ID: Run ID: **VMS6_240710B** SeqNo: **3446979** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	ND	0.0050								
1,2-Dichloroethane	ND	0.0050								
1,4-Dichlorobenzene	ND	0.0050								
2-Butanone	ND	0.0050								
Benzene	ND	0.0050								
Carbon tetrachloride	ND	0.0050								
Chlorobenzene	ND	0.0050								
Chloroform	ND	0.0050								
Tetrachloroethene	ND	0.0050								
Trichloroethene	ND	0.0050								
Vinyl chloride	ND	0.0050								
Surr: Bromofluorobenzene	*0.06254*	0	*0.05*	0	*125*	*61-131*	0			
Surr: Dibromofluoromethane	*0.05206*	0	*0.05*	0	*104*	*89.4-141*	0			
Surr: Toluene-d8	*0.04778*	0	*0.05*	0	*95.6*	*93.4-124*	0			

LCS Sample ID: **TCLP LCS-R231591** Units: **mg/L** Analysis Date: **7/10/2024 10:47 AM**

Client ID: Run ID: **VMS6_240710B** SeqNo: **3446977** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.06191	0.0050	0.05	0	124	33-165	0			
1,2-Dichloroethane	0.05562	0.0050	0.05	0	111	55.8-125	0			
1,4-Dichlorobenzene	0.05396	0.0050	0.05	0	108	56.4-128	0			
2-Butanone	0.03294	0.0050	0.05	0	65.9	25.2-168	0			
Benzene	0.05179	0.0050	0.05	0	104	56.8-122	0			
Carbon tetrachloride	0.05844	0.0050	0.05	0	117	63.1-133	0			
Chlorobenzene	0.04742	0.0050	0.05	0	94.8	53.8-117	0			
Chloroform	0.06	0.0050	0.05	0	120	63.9-128	0			
Tetrachloroethene	0.03573	0.0050	0.05	0	71.5	51.3-127	0			
Trichloroethene	0.04942	0.0050	0.05	0	98.8	59.3-121	0			
Vinyl chloride	0.04731	0.0050	0.05	0	94.6	21.3-160	0			
Surr: Bromofluorobenzene	*0.05151*	0	*0.05*	0	*103*	*61-131*	0			
Surr: Dibromofluoromethane	*0.05123*	0	*0.05*	0	*102*	*89.4-141*	0			
Surr: Toluene-d8	*0.04692*	0	*0.05*	0	*93.8*	*93.4-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231591** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **24070148-31A MS** Units: **mg/L** Analysis Date: **7/10/2024 11:42 AM**

Client ID: **SB-02A (10-12)** Run ID: **VMS6_240710B** SeqNo: **3446978** Prep Date: DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.265	0.10	1	0	127	48.5-140	0			
1,2-Dichloroethane	1.127	0.10	1	0	113	74.3-124	0			
1,4-Dichlorobenzene	1.078	0.10	1	0	108	55.4-121	0			
2-Butanone	0.6329	0.10	1	0	63.3	54.1-137	0			
Benzene	1.022	0.10	1	0	102	66.9-121	0			
Carbon tetrachloride	1.193	0.10	1	0	119	66.8-129	0			
Chlorobenzene	1.039	0.10	1	0	104	59.2-120	0			
Chloroform	1.225	0.10	1	0	122	66.3-127	0			
Tetrachloroethene	0.7662	0.10	1	0	76.6	57-131	0			
Trichloroethene	0.9981	0.10	1	0	99.8	63.5-125	0			
Vinyl chloride	0.9708	0.10	1	0	97.1	38-145	0			
Surr: Bromofluorobenzene	*1.278*	0	*1*	0	*128*	*61-131*	0			
Surr: Dibromofluoromethane	*1.032*	0	*1*	0	*103*	*89.4-141*	0			
Surr: Toluene-d8	*1.01*	0	*1*	0	*101*	*93.4-124*	0			

The following samples were analyzed in this batch: 24070148-31A 24070148-32A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231595** Instrument ID **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-R231595** Units: **µg/Kg** Analysis Date: **7/11/2024 09:58 AM**

Client ID: Run ID: **VMS2_240711A** SeqNo: **3447089** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	2.271	5.0								J
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	1.686	5.0								J
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R231595** Instrument ID **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	2.054	5.0						J
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
Surr: 4-Bromofluorobenzene	*50.48*	0	*50*	0	*101*	*88.4-119*	0	
Surr: Dibromofluoromethane	*51.48*	0	*50*	0	*103*	*83.2-134*	0	
Surr: Toluene-d8	*52.91*	0	*50*	0	*106*	*87.2-118*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231595** Instrument ID **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-R231595** Units: **µg/Kg** Analysis Date: **7/11/2024 09:08 AM**

Client ID: Run ID: **VMS2_240711A** SeqNo: **3447086** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	41.05	5.0	50	0	82.1	53.6-149	0			
1,1-Dichloroethene	42.12	5.0	50	0	84.2	38.8-176	0			
1,2-Dichloroethane	44.9	5.0	50	0	89.8	54.4-145	0			
1,3-Dichlorobenzene	42.85	5.0	50	0	85.7	58.4-144	0			
1,4-Dichlorobenzene	42.6	5.0	50	0	85.2	55.3-144	0			
Benzene	42.08	5.0	50	0	84.2	56-148	0			
Carbon tetrachloride	42.8	5.0	50	0	85.6	51.9-151	0			
Chlorobenzene	41.89	5.0	50	0	83.8	55.4-137	0			
Chloroform	41.83	5.0	50	0	83.7	51.1-147	0			
cis-1,2-Dichloroethene	42.02	5.0	50	0	84	47.6-149	0			
Ethylbenzene	41.34	5.0	50	0	82.7	55.8-142	0			
m,p-Xylene	82.84	5.0	100	0	82.8	57.6-141	0			
Styrene	42.93	5.0	50	0	85.9	59.6-143	0			
Tetrachloroethene	35.81	5.0	50	0	71.6	35.6-132	0			
Toluene	42.8	5.0	50	0	85.6	56-143	0			
Trichloroethene	41.52	5.0	50	0	83	56.5-143	0			
Surr: 4-Bromofluorobenzene	*50.34*	0	*50*	0	*101*	*88.4-119*	0			
Surr: Dibromofluoromethane	*49.35*	0	*50*	0	*98.7*	*83.2-134*	0			
Surr: Toluene-d8	*51.59*	0	*50*	0	*103*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231595** Instrument ID **VMS2** Method: **SW8260B**

MS Sample ID: **24061201-01AMS** Units: **µg/Kg** Analysis Date: **7/11/2024 09:24 AM**

Client ID: Run ID: **VMS2_240711A** SeqNo: **3447087** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	52.19	5.0	50	0	104	66.9-140	0			
1,1-Dichloroethene	51.99	5.0	50	0	104	41.4-161	0			
1,2-Dichloroethane	57.9	5.0	50	0	116	58.9-137	0			
1,3-Dichlorobenzene	55.29	5.0	50	0	111	42.5-150	0			
1,4-Dichlorobenzene	55.98	5.0	50	0	112	52.1-137	0			
Benzene	55.54	5.0	50	0	111	35.8-162	0			
Carbon tetrachloride	53.94	5.0	50	0	108	53.2-137	0			
Chlorobenzene	55.42	5.0	50	0	111	65.6-137	0			
Chloroform	52.72	5.0	50	0	105	63.6-147	0			
cis-1,2-Dichloroethene	53.33	5.0	50	0	107	52.9-138	0			
Ethylbenzene	54.32	5.0	50	0	109	57.5-134	0			
m,p-Xylene	109.1	5.0	100	0	109	56.4-135	0			
Styrene	56.88	5.0	50	0	114	60.9-135	0			
Tetrachloroethene	48.33	5.0	50	0	96.7	28.3-109	0			
Toluene	56.14	5.0	50	0	112	67.7-135	0			
Trichloroethene	55.95	5.0	50	0	112	56.5-136	0			
Surr: 4-Bromofluorobenzene	*50.79*	0	*50*	0	*102*	*88.4-119*	0			
Surr: Dibromofluoromethane	*46.67*	0	*50*	0	*93.3*	*83.2-134*	0			
Surr: Toluene-d8	*50.7*	0	*50*	0	*101*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231595** Instrument ID **VMS2** Method: **SW8260B**

MSD Sample ID: **24061201-01AMSD** Units: **µg/Kg** Analysis Date: **7/11/2024 09:41 AM**

Client ID: Run ID: **VMS2_240711A** SeqNo: **3447088** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	39.09	5.0	50	0	78.2	66.9-140	52.19	28.7	20	R
1,1-Dichloroethene	39.7	5.0	50	0	79.4	41.4-161	51.99	26.8	20	R
1,2-Dichloroethane	44.45	5.0	50	0	88.9	58.9-137	57.9	26.3	20	R
1,3-Dichlorobenzene	40.23	5.0	50	0	80.5	42.5-150	55.29	31.5	20	R
1,4-Dichlorobenzene	40.35	5.0	50	0	80.7	52.1-137	55.98	32.5	20	R
Benzene	41.42	5.0	50	0	82.8	35.8-162	55.54	29.1	20	R
Carbon tetrachloride	40.58	5.0	50	0	81.2	53.2-137	53.94	28.3	20	R
Chlorobenzene	40.38	5.0	50	0	80.8	65.6-137	55.42	31.4	20	R
Chloroform	39.94	5.0	50	0	79.9	63.6-147	52.72	27.6	20	R
cis-1,2-Dichloroethene	40.37	5.0	50	0	80.7	52.9-138	53.33	27.7	20	R
Ethylbenzene	39.08	5.0	50	0	78.2	57.5-134	54.32	32.6	20	R
m,p-Xylene	79.71	5.0	100	0	79.7	56.4-135	109.1	31.1	20	R
Styrene	41.65	5.0	50	0	83.3	60.9-135	56.88	30.9	20	R
Tetrachloroethene	33.99	5.0	50	0	68	28.3-109	48.33	34.8	20	R
Toluene	41.27	5.0	50	0	82.5	67.7-135	56.14	30.5	20	R
Trichloroethene	46.37	5.0	50	0	92.7	56.5-136	55.95	18.7	20	
Surr: 4-Bromofluorobenzene	*51.18*	0	*50*	0	*102*	*88.4-119*	50.79	*0.757*		
Surr: Dibromofluoromethane	*48.04*	0	*50*	0	*96.1*	*83.2-134*	46.67	*2.91*		
Surr: Toluene-d8	*50.82*	0	*50*	0	*102*	*87.2-118*	50.7	*0.227*		

The following samples were analyzed in this batch:

24070148-01A	24070148-02A	24070148-09A
24070148-29A	24070148-30A	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231600** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **MBLK-R231600** Units: **µg/L** Analysis Date: **7/11/2024 12:51 PM**

Client ID: Run ID: **VMS6_240711A** SeqNo: **3448199** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	0.105	0.20								J
1,2-Dibromoethane	ND	0.050								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R231600** Instrument ID **VMS6** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	10					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	5.0					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	2.0					
Xylenes, Total	ND	15					
Surr: 4-Bromofluorobenzene	*51.77*	0	*50*	0	*104*	*61-131*	0
Surr: Dibromofluoromethane	*51.66*	0	*50*	0	*103*	*72-137*	0
Surr: Toluene-d8	*47.74*	0	*50*	0	*95.5*	*93.7-124*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231600** Instrument ID **VMS6** Method: **SW8260B**

LCS Sample ID: **LCS-R231600** Units: **µg/L** Analysis Date: **7/11/2024 10:27 AM**

Client ID: Run ID: **VMS6_240711A** SeqNo: **3448196** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	62.64	5.0	50	0	125	48.4-140	0			
1,1-Dichloroethene	61.34	5.0	50	0	123	45.5-150	0			
1,2-Dichloroethane	55.44	5.0	50	0	111	46.5-141	0			
1,3-Dichlorobenzene	56.17	5.0	50	0	112	42.5-133	0			
1,4-Dichlorobenzene	53.62	5.0	50	0	107	38.9-136	0			
Benzene	48.75	5.0	50	0	97.5	50.7-134	0			
Carbon tetrachloride	58.97	5.0	50	0	118	45.5-143	0			
Chlorobenzene	49.26	5.0	50	0	98.5	45-133	0			
Chloroform	59.92	5.0	50	0	120	52.4-136	0			
cis-1,2-Dichloroethene	49.18	5.0	50	0	98.4	49.7-138	0			
Ethylbenzene	49.1	5.0	50	0	98.2	37.8-145	0			
m,p-Xylene	113.3	10	100	0	113	25.1-163	0			
Methyl tert-butyl ether	44.12	5.0	50	0	88.2	26.7-174	0			
Styrene	54.08	5.0	50	0	108	26.3-172	0			
Tetrachloroethene	37	5.0	50	0	74	37.3-139	0			
Toluene	54.46	5.0	50	0	109	44-135	0			
Trichloroethene	50.39	5.0	50	0	101	45.9-140	0			
Xylenes, Total	161.6	15	150	0	108	47.3-132	0			
Surr: 4-Bromofluorobenzene	*46.52*	0	*50*	0	*93*	*61-131*	0			
Surr: Dibromofluoromethane	*51.18*	0	*50*	0	*102*	*72-137*	0			
Surr: Toluene-d8	*47.11*	0	*50*	0	*94.2*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231600** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **24070080-01AMS** Units: **µg/L** Analysis Date: **7/11/2024 11:03 AM**

Client ID: Run ID: **VMS6_240711A** SeqNo: **3448197** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	48.5	5.0	50	0	97	40.4-134	0			
1,1-Dichloroethene	48.67	5.0	50	0	97.3	45.3-151	0			
1,2-Dichloroethane	41.85	5.0	50	0	83.7	37-139	0			
1,3-Dichlorobenzene	37.28	5.0	50	0	74.6	42.9-121	0			
1,4-Dichlorobenzene	36.31	5.0	50	0	72.6	53.4-129	0			
Benzene	36.64	5.0	50	0	73.3	37.4-144	0			
Carbon tetrachloride	45.98	5.0	50	0	92	33.8-150	0			
Chlorobenzene	36.38	5.0	50	0	72.8	52.4-132	0			
Chloroform	44.44	5.0	50	0	88.9	45.5-135	0			
cis-1,2-Dichloroethene	36.43	5.0	50	0	72.9	35.2-150	0			
Ethylbenzene	35.85	5.0	50	0	71.7	46.5-146	0			
m,p-Xylene	83.1	10	100	0	83.1	38.2-167	0			
Styrene	37.75	5.0	50	0	75.5	20.9-184	0			
Tetrachloroethene	27.78	5.0	50	0	55.6	55.2-134	0			
Toluene	40.57	5.0	50	0.185	80.8	32.7-140	0			
Trichloroethene	36.59	5.0	50	0	73.2	29.1-153	0			
Xylenes, Total	123.9	15	150	0	82.6	43.6-148	0			
Surr: 4-Bromofluorobenzene	*45.84*	0	*50*	0	*91.7*	*61-131*	0			
Surr: Dibromofluoromethane	*51.06*	0	*50*	0	*102*	*72-137*	0			
Surr: Toluene-d8	*49.48*	0	*50*	0	*99*	*93.7-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231600** Instrument ID **VMS6** Method: **SW8260B**

MSD Sample ID: **24070080-01AMSD** Units: **µg/L** Analysis Date: **7/11/2024 11:22 AM**

Client ID: Run ID: **VMS6_240711A** SeqNo: **3448198** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.13	5.0	50	0	108	40.4-134	48.5	11	20	
1,1-Dichloroethene	52.36	5.0	50	0	105	45.3-151	48.67	7.3	20	
1,2-Dichloroethane	55.86	5.0	50	0	112	37-139	41.85	28.7	20	R
1,3-Dichlorobenzene	49.08	5.0	50	0	98.2	42.9-121	37.28	27.3	20	R
1,4-Dichlorobenzene	48.19	5.0	50	0	96.4	53.4-129	36.31	28.1	20	R
Benzene	45.87	5.0	50	0	91.7	37.4-144	36.64	22.4	20	R
Carbon tetrachloride	49.55	5.0	50	0	99.1	33.8-150	45.98	7.48	20	
Chlorobenzene	43.76	5.0	50	0	87.5	52.4-132	36.38	18.4	20	
Chloroform	57.19	5.0	50	0	114	45.5-135	44.44	25.1	20	R
cis-1,2-Dichloroethene	46.83	5.0	50	0	93.7	35.2-150	36.43	25	20	R
Ethylbenzene	40.7	5.0	50	0	81.4	46.5-146	35.85	12.7	20	
m,p-Xylene	98.77	10	100	0	98.8	38.2-167	83.1	17.2	20	
Styrene	47.18	5.0	50	0	94.4	20.9-184	37.75	22.2	20	R
Tetrachloroethene	30.55	5.0	50	0	61.1	55.2-134	27.78	9.52	20	
Toluene	50.79	5.0	50	0.185	101	32.7-140	40.57	22.4	20	R
Trichloroethene	44.18	5.0	50	0	88.4	29.1-153	36.59	18.8	20	
Xylenes, Total	144.5	15	150	0	96.3	43.6-148	123.9	15.3	20	
Surr: 4-Bromofluorobenzene	*45.49*	0	*50*	0	*91*	*61-131*	45.84	*0.782*		
Surr: Dibromofluoromethane	*52.09*	0	*50*	0	*104*	*72-137*	51.06	*1.99*		
Surr: Toluene-d8	*48.27*	0	*50*	0	*96.5*	*93.7-124*	49.48	*2.47*		

The following samples were analyzed in this batch: 24070148-28A 24070148-33A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231664** Instrument ID **VMS6** Method: **SW8260B**

MBLK Sample ID: **TCLP MBLK-R231664** Units: **mg/L** Analysis Date: **7/11/2024 12:33 PM**

Client ID: Run ID: **VMS6_240711B** SeqNo: **3448246** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	ND	0.0050								
1,2-Dichloroethane	ND	0.0050								
1,4-Dichlorobenzene	ND	0.0050								
2-Butanone	ND	0.0050								
Benzene	ND	0.0050								
Carbon tetrachloride	ND	0.0050								
Chlorobenzene	ND	0.0050								
Chloroform	ND	0.0050								
Tetrachloroethene	ND	0.0050								
Trichloroethene	ND	0.0050								
Vinyl chloride	ND	0.0050								
Surr: Bromofluorobenzene	*0.05554*	0	*0.05*	0	*111*	*61-131*	0			
Surr: Dibromofluoromethane	*0.05169*	0	*0.05*	0	*103*	*89.4-141*	0			
Surr: Toluene-d8	*0.04753*	0	*0.05*	0	*95.1*	*93.4-124*	0			

LCS Sample ID: **TCLP LCS-R231664** Units: **mg/L** Analysis Date: **7/11/2024 10:45 AM**

Client ID: Run ID: **VMS6_240711B** SeqNo: **3448244** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	0.06414	0.0050	0.05	0	128	33-165	0			
1,2-Dichloroethane	0.05588	0.0050	0.05	0	112	55.8-125	0			
1,4-Dichlorobenzene	0.05367	0.0050	0.05	0	107	56.4-128	0			
2-Butanone	0.02691	0.0050	0.05	0	53.8	25.2-168	0			
Benzene	0.04853	0.0050	0.05	0	97.1	56.8-122	0			
Carbon tetrachloride	0.05948	0.0050	0.05	0	119	63.1-133	0			
Chlorobenzene	0.04582	0.0050	0.05	0	91.6	53.8-117	0			
Chloroform	0.05868	0.0050	0.05	0	117	63.9-128	0			
Tetrachloroethene	0.03808	0.0050	0.05	0	76.2	51.3-127	0			
Trichloroethene	0.0515	0.0050	0.05	0	103	59.3-121	0			
Vinyl chloride	0.04712	0.0050	0.05	0	94.2	21.3-160	0			
Surr: Bromofluorobenzene	*0.04126*	0	*0.05*	0	*82.5*	*61-131*	0			
Surr: Dibromofluoromethane	*0.0515*	0	*0.05*	0	*103*	*89.4-141*	0			
Surr: Toluene-d8	*0.0496*	0	*0.05*	0	*99.2*	*93.4-124*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231664** Instrument ID **VMS6** Method: **SW8260B**

MS Sample ID: **24070270-01A MS** Units: **mg/L** Analysis Date: **7/11/2024 11:40 AM**

Client ID: Run ID: **VMS6_240711B** SeqNo: **3448245** Prep Date: DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1-Dichloroethene	1.235	0.10	1	0	123	48.5-140	0			
1,2-Dichloroethane	1.092	0.10	1	0	109	74.3-124	0			
1,4-Dichlorobenzene	1.067	0.10	1	0	107	55.4-121	0			
2-Butanone	0.8458	0.10	1	0	84.6	54.1-137	0			
Benzene	0.9369	0.10	1	0	93.7	66.9-121	0			
Carbon tetrachloride	1.173	0.10	1	0	117	66.8-129	0			
Chlorobenzene	0.9398	0.10	1	0	94	59.2-120	0			
Chloroform	1.202	0.10	1	0	120	66.3-127	0			
Tetrachloroethene	0.7281	0.10	1	0	72.8	57-131	0			
Trichloroethene	1.056	0.10	1	0	106	63.5-125	0			
Vinyl chloride	0.8856	0.10	1	0	88.6	38-145	0			
Surr: Bromofluorobenzene	*0.8292*	0	*1*	0	*82.9*	*61-131*	0			
Surr: Dibromofluoromethane	*1.03*	0	*1*	0	*103*	*89.4-141*	0			
Surr: Toluene-d8	*0.9525*	0	*1*	0	*95.2*	*93.4-124*	0			

The following samples were analyzed in this batch: 24070148-32A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231717** Instrument ID **VMS5** Method: **SW8260B**

MBLK Sample ID: **MBLKR-R231717** Units: **µg/Kg** Analysis Date: **7/12/2024 03:13 PM**

Client ID: Run ID: **VMS5_240712A** SeqNo: **3449240** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	ND	5.0								
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	6.593	50								J
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R231717** Instrument ID **VMS5** Method: **SW8260B**

Dibromomethane	ND	5.0					
Dichlorodifluoromethane	ND	5.0					
Ethylbenzene	ND	5.0					
Hexachlorobutadiene	ND	5.0					
Isopropylbenzene	ND	5.0					
m,p-Xylene	ND	5.0					
Methyl tert-butyl ether	ND	5.0					
Methylene chloride	ND	20					
Naphthalene	ND	5.0					
n-Butylbenzene	ND	5.0					
n-Propylbenzene	ND	5.0					
o-Xylene	ND	5.0					
p-Isopropyltoluene	ND	5.0					
sec-Butylbenzene	ND	5.0					
Styrene	ND	5.0					
tert-Butylbenzene	ND	5.0					
Tetrachloroethene	ND	5.0					
Toluene	ND	5.0					
trans-1,2-Dichloroethene	ND	5.0					
trans-1,3-Dichloropropene	ND	5.0					
Trichloroethene	ND	5.0					
Trichlorofluoromethane	ND	5.0					
Vinyl chloride	ND	5.0					
Xylenes, Total	ND	10					
Surr: 4-Bromofluorobenzene	*50.76*	0	*50*	0	*102*	*88.4-119*	0
Surr: Dibromofluoromethane	*51.42*	0	*50*	0	*103*	*83.2-134*	0
Surr: Toluene-d8	*50.55*	0	*50*	0	*101*	*87.2-118*	0

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231717** Instrument ID **VMS5** Method: **SW8260B**

LCS Sample ID: **LCSR-R231717** Units: **µg/Kg** Analysis Date: **7/12/2024 01:38 PM**

Client ID: Run ID: **VMS5_240712A** SeqNo: **3449236** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	45.42	5.0	50	0	90.8	53.6-149	0			
1,1-Dichloroethene	48.97	5.0	50	0	97.9	38.8-176	0			
1,2-Dichloroethane	53.88	5.0	50	0	108	54.4-145	0			
1,3-Dichlorobenzene	49.78	5.0	50	0	99.6	58.4-144	0			
1,4-Dichlorobenzene	48.77	5.0	50	0	97.5	55.3-144	0			
Benzene	46.71	5.0	50	0	93.4	56-148	0			
Carbon tetrachloride	46.71	5.0	50	0	93.4	51.9-151	0			
Chlorobenzene	47.35	5.0	50	0	94.7	55.4-137	0			
Chloroform	48.6	5.0	50	0	97.2	51.1-147	0			
cis-1,2-Dichloroethene	48.47	5.0	50	0	96.9	47.6-149	0			
Ethylbenzene	47.39	5.0	50	0	94.8	55.8-142	0			
m,p-Xylene	95.73	5.0	100	0	95.7	57.6-141	0			
Styrene	49.92	5.0	50	0	99.8	59.6-143	0			
Tetrachloroethene	39.62	5.0	50	0	79.2	35.6-132	0			
Toluene	46.9	5.0	50	0	93.8	56-143	0			
Trichloroethene	45.83	5.0	50	0	91.7	56.5-143	0			
Surr: 4-Bromofluorobenzene	*50.12*	0	*50*	0	*100*	*88.4-119*	0			
Surr: Dibromofluoromethane	*49*	0	*50*	0	*98*	*83.2-134*	0			
Surr: Toluene-d8	*49.68*	0	*50*	0	*99.4*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231717** Instrument ID **VMS5** Method: **SW8260B**

MS Sample ID: **24070143-18AMS** Units: **µg/Kg** Analysis Date: **7/12/2024 02:07 PM**

Client ID: Run ID: **VMS5_240712A** SeqNo: **3449237** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	60.9	5.0	50	0	122	66.9-140	0			
1,1-Dichloroethene	66.94	5.0	50	0	134	41.4-161	0			
1,2-Dichloroethane	63.26	5.0	50	0	127	58.9-137	0			
1,3-Dichlorobenzene	58.56	5.0	50	0	117	42.5-150	0			
1,4-Dichlorobenzene	57.18	5.0	50	0	114	52.1-137	0			
Benzene	60.69	5.0	50	0	121	35.8-162	0			
Carbon tetrachloride	63.52	5.0	50	0	127	53.2-137	0			
Chlorobenzene	58.27	5.0	50	0	117	65.6-137	0			
Chloroform	62.21	5.0	50	0	124	63.6-147	0			
cis-1,2-Dichloroethene	63.82	5.0	50	0	128	52.9-138	0			
Ethylbenzene	60.26	5.0	50	0	121	57.5-134	0			
m,p-Xylene	123.4	5.0	100	0	123	56.4-135	0			
Styrene	60.57	5.0	50	0	121	60.9-135	0			
Tetrachloroethene	52.13	5.0	50	0	104	28.3-109	0			
Toluene	62.2	5.0	50	0	124	67.7-135	0			
Trichloroethene	57.68	5.0	50	0	115	56.5-136	0			
Surr: 4-Bromofluorobenzene	*49.48*	0	*50*	0	*99*	*88.4-119*	0			
Surr: Dibromofluoromethane	*51.04*	0	*50*	0	*102*	*83.2-134*	0			
Surr: Toluene-d8	*50.32*	0	*50*	0	*101*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231717** Instrument ID **VMS5** Method: **SW8260B**

MSD Sample ID: **24070143-18AMSD** Units: **µg/Kg** Analysis Date: **7/12/2024 02:23 PM**

Client ID: Run ID: **VMS5_240712A** SeqNo: **3449238** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	54.67	5.0	50	0	109	66.9-140	60.9	10.8	20	
1,1-Dichloroethene	56.12	5.0	50	0	112	41.4-161	66.94	17.6	20	
1,2-Dichloroethane	55.92	5.0	50	0	112	58.9-137	63.26	12.3	20	
1,3-Dichlorobenzene	48.27	5.0	50	0	96.5	42.5-150	58.56	19.3	20	
1,4-Dichlorobenzene	47.33	5.0	50	0	94.7	52.1-137	57.18	18.8	20	
Benzene	51.84	5.0	50	0	104	35.8-162	60.69	15.7	20	
Carbon tetrachloride	55.32	5.0	50	0	111	53.2-137	63.52	13.8	20	
Chlorobenzene	49.67	5.0	50	0	99.3	65.6-137	58.27	15.9	20	
Chloroform	54.5	5.0	50	0	109	63.6-147	62.21	13.2	20	
cis-1,2-Dichloroethene	55.3	5.0	50	0	111	52.9-138	63.82	14.3	20	
Ethylbenzene	50.33	5.0	50	0	101	57.5-134	60.26	18	20	
m,p-Xylene	104.3	5.0	100	0	104	56.4-135	123.4	16.7	20	
Styrene	50.82	5.0	50	0	102	60.9-135	60.57	17.5	20	
Tetrachloroethene	42.27	5.0	50	0	84.5	28.3-109	52.13	20.9	20	R
Toluene	53.35	5.0	50	0	107	67.7-135	62.2	15.3	20	
Trichloroethene	50.4	5.0	50	0	101	56.5-136	57.68	13.5	20	
Surr: 4-Bromofluorobenzene	*51.22*	0	*50*	0	*102*	*88.4-119*	49.48	*3.47*		
Surr: Dibromofluoromethane	*50.93*	0	*50*	0	*102*	*83.2-134*	51.04	*0.22*		
Surr: Toluene-d8	*50.93*	0	*50*	0	*102*	*87.2-118*	50.32	*1.21*		

The following samples were analyzed in this batch: 24070148-26A 24070148-27A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231724** Instrument ID **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-R231724** Units: **µg/Kg** Analysis Date: **7/12/2024 12:23 PM**

Client ID: Run ID: **VMS2_240712A** SeqNo: **3449379** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	2.797	5.0								J
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	2.048	5.0								J
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	0.905	5.0								J
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R231724** Instrument ID **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	2.544	5.0						J
n-Butylbenzene	0.956	5.0						J
n-Propylbenzene	0.481	5.0						J
o-Xylene	ND	5.0						
p-Isopropyltoluene	0.632	5.0						J
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
Surr: 4-Bromofluorobenzene	*50.06*	0	*50*	0	*100*	*88.4-119*	0	
Surr: Dibromofluoromethane	*52.05*	0	*50*	0	*104*	*83.2-134*	0	
Surr: Toluene-d8	*51.94*	0	*50*	0	*104*	*87.2-118*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231724** Instrument ID **VMS2** Method: **SW8260B**

LCS Sample ID: **LCS-R231724** Units: **µg/Kg** Analysis Date: **7/12/2024 11:18 AM**

Client ID: Run ID: **VMS2_240712A** SeqNo: **3449376** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	55.81	5.0	50	0	112	53.6-149	0			
1,1-Dichloroethene	56.85	5.0	50	0	114	38.8-176	0			
1,2-Dichloroethane	57.21	5.0	50	0	114	54.4-145	0			
1,3-Dichlorobenzene	53.52	5.0	50	0	107	58.4-144	0			
1,4-Dichlorobenzene	52.43	5.0	50	0	105	55.3-144	0			
Benzene	56.68	5.0	50	0	113	56-148	0			
Carbon tetrachloride	57.76	5.0	50	0	116	51.9-151	0			
Chlorobenzene	55.24	5.0	50	0	110	55.4-137	0			
Chloroform	54.57	5.0	50	0	109	51.1-147	0			
cis-1,2-Dichloroethene	55.2	5.0	50	0	110	47.6-149	0			
Ethylbenzene	56.16	5.0	50	0	112	55.8-142	0			
m,p-Xylene	113.6	5.0	100	0	114	57.6-141	0			
Styrene	56.76	5.0	50	0	114	59.6-143	0			
Tetrachloroethene	47.16	5.0	50	0	94.3	35.6-132	0			
Toluene	56.04	5.0	50	0	112	56-143	0			
Trichloroethene	56.4	5.0	50	0	113	56.5-143	0			
Surr: 4-Bromofluorobenzene	*49.7*	0	*50*	0	*99.4*	*88.4-119*	0			
Surr: Dibromofluoromethane	*48.47*	0	*50*	0	*96.9*	*83.2-134*	0			
Surr: Toluene-d8	*50.4*	0	*50*	0	*101*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231724** Instrument ID **VMS2** Method: **SW8260B**

MS Sample ID: **24070143-17AMS** Units: **µg/Kg** Analysis Date: **7/12/2024 11:49 AM**

Client ID: Run ID: **VMS2_240712A** SeqNo: **3449377** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	51.75	5.0	50	0	104	66.9-140	0			
1,1-Dichloroethene	52.26	5.0	50	0	105	41.4-161	0			
1,2-Dichloroethane	55.83	5.0	50	0	112	58.9-137	0			
1,3-Dichlorobenzene	51.18	5.0	50	0	102	42.5-150	0			
1,4-Dichlorobenzene	50.48	5.0	50	0	101	52.1-137	0			
Benzene	52.84	5.0	50	0	106	35.8-162	0			
Carbon tetrachloride	53.16	5.0	50	0	106	53.2-137	0			
Chlorobenzene	52.52	5.0	50	0	105	65.6-137	0			
Chloroform	51.69	5.0	50	0	103	63.6-147	0			
cis-1,2-Dichloroethene	53.7	5.0	50	0	107	52.9-138	0			
Ethylbenzene	52.9	5.0	50	0	106	57.5-134	0			
m,p-Xylene	111.5	5.0	100	0	111	56.4-135	0			
Styrene	53.6	5.0	50	0	107	60.9-135	0			
Tetrachloroethene	44.16	5.0	50	0	88.3	28.3-109	0			
Toluene	54.3	5.0	50	0	109	67.7-135	0			
Trichloroethene	51.5	5.0	50	0	103	56.5-136	0			
Surr: 4-Bromofluorobenzene	*50.04*	0	*50*	0	*100*	*88.4-119*	0			
Surr: Dibromofluoromethane	*49.35*	0	*50*	0	*98.7*	*83.2-134*	0			
Surr: Toluene-d8	*49.82*	0	*50*	0	*99.6*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231724** Instrument ID **VMS2** Method: **SW8260B**

MSD Sample ID: **24070143-17AMSD** Units: **µg/Kg** Analysis Date: **7/12/2024 12:06 PM**

Client ID: Run ID: **VMS2_240712A** SeqNo: **3449378** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	61.02	5.0	50	0	122	66.9-140	51.75	16.4	20	
1,1-Dichloroethene	62.94	5.0	50	0	126	41.4-161	52.26	18.5	20	
1,2-Dichloroethane	64.08	5.0	50	0	128	58.9-137	55.83	13.8	20	
1,3-Dichlorobenzene	58.3	5.0	50	0	117	42.5-150	51.18	13	20	
1,4-Dichlorobenzene	57.5	5.0	50	0	115	52.1-137	50.48	13	20	
Benzene	63.36	5.0	50	0	127	35.8-162	52.84	18.1	20	
Carbon tetrachloride	63.29	5.0	50	0	127	53.2-137	53.16	17.4	20	
Chlorobenzene	61.74	5.0	50	0	123	65.6-137	52.52	16.1	20	
Chloroform	60.62	5.0	50	0	121	63.6-147	51.69	15.9	20	
cis-1,2-Dichloroethene	62.57	5.0	50	0	125	52.9-138	53.7	15.3	20	
Ethylbenzene	62.71	5.0	50	0	125	57.5-134	52.9	17	20	
m,p-Xylene	129.9	5.0	100	0	130	56.4-135	111.5	15.3	20	
Styrene	63.23	5.0	50	0	126	60.9-135	53.6	16.5	20	
Tetrachloroethene	53.83	5.0	50	0	108	28.3-109	44.16	19.7	20	
Toluene	63.48	5.0	50	0	127	67.7-135	54.3	15.6	20	
Trichloroethene	61.94	5.0	50	0	124	56.5-136	51.5	18.4	20	
Surr: 4-Bromofluorobenzene	*50.31*	0	*50*	0	*101*	*88.4-119*	50.04	*0.522*		
Surr: Dibromofluoromethane	*48.28*	0	*50*	0	*96.6*	*83.2-134*	49.35	*2.19*		
Surr: Toluene-d8	*49.3*	0	*50*	0	*98.6*	*87.2-118*	49.82	*1.05*		

The following samples were analyzed in this batch:

24070148-01A	24070148-02A	24070148-04A
24070148-07A	24070148-08A	24070148-09A
24070148-10A	24070148-12A	24070148-13A
24070148-14A	24070148-15A	24070148-17A
24070148-18A	24070148-20A	24070148-21A
24070148-23A	24070148-24A	24070148-29A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231779** Instrument ID **VMS2** Method: **SW8260B**

MBLK Sample ID: **MBLK-R231779** Units: **µg/Kg** Analysis Date: **7/15/2024 11:00 AM**

Client ID: Run ID: **VMS2_240715A** SeqNo: **3451044** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0								
1,1,1-Trichloroethane	ND	5.0								
1,1,2,2-Tetrachloroethane	ND	5.0								
1,1,2-Trichloroethane	ND	5.0								
1,1-Dichloroethane	ND	5.0								
1,1-Dichloroethene	ND	5.0								
1,1-Dichloropropene	ND	5.0								
1,2,3-Trichlorobenzene	1.546	5.0								J
1,2,3-Trichloropropane	ND	5.0								
1,2,4-Trichlorobenzene	ND	5.0								
1,2,4-Trimethylbenzene	ND	5.0								
1,2-Dibromo-3-chloropropane	ND	5.0								
1,2-Dibromoethane	ND	5.0								
1,2-Dichlorobenzene	ND	5.0								
1,2-Dichloroethane	ND	5.0								
1,2-Dichloropropane	ND	5.0								
1,3,5-Trimethylbenzene	ND	5.0								
1,3-Dichlorobenzene	ND	5.0								
1,3-Dichloropropane	ND	5.0								
1,4-Dichlorobenzene	ND	5.0								
2,2-Dichloropropane	ND	5.0								
2-Butanone	ND	50								
2-Chlorotoluene	ND	5.0								
2-Hexanone	ND	5.0								
4-Chlorotoluene	ND	5.0								
4-Methyl-2-pentanone	ND	5.0								
Acetone	ND	50								
Benzene	ND	5.0								
Bromobenzene	ND	5.0								
Bromochloromethane	ND	5.0								
Bromodichloromethane	ND	5.0								
Bromoform	ND	5.0								
Bromomethane	ND	5.0								
Carbon disulfide	ND	5.0								
Carbon tetrachloride	ND	5.0								
Chlorobenzene	ND	5.0								
Chloroethane	ND	5.0								
Chloroform	ND	5.0								
Chloromethane	ND	5.0								
cis-1,2-Dichloroethene	ND	5.0								
cis-1,3-Dichloropropene	ND	5.0								
Dibromochloromethane	ND	5.0								

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC BATCH REPORT

Batch ID: **R231779** Instrument ID **VMS2** Method: **SW8260B**

Dibromomethane	ND	5.0						
Dichlorodifluoromethane	ND	5.0						
Ethylbenzene	ND	5.0						
Hexachlorobutadiene	ND	5.0						
Isopropylbenzene	ND	5.0						
m,p-Xylene	ND	5.0						
Methyl tert-butyl ether	ND	5.0						
Methylene chloride	ND	20						
Naphthalene	1.451	5.0						J
n-Butylbenzene	ND	5.0						
n-Propylbenzene	ND	5.0						
o-Xylene	ND	5.0						
p-Isopropyltoluene	ND	5.0						
sec-Butylbenzene	ND	5.0						
Styrene	ND	5.0						
tert-Butylbenzene	ND	5.0						
Tetrachloroethene	ND	5.0						
Toluene	ND	5.0						
trans-1,2-Dichloroethene	ND	5.0						
trans-1,3-Dichloropropene	ND	5.0						
Trichloroethene	ND	5.0						
Trichlorofluoromethane	ND	5.0						
Vinyl chloride	ND	5.0						
Xylenes, Total	ND	10						
Surr: 4-Bromofluorobenzene	*49.33*	0	*50*	0	*98.7*	*88.4-119*	0	
Surr: Dibromofluoromethane	*48.14*	0	*50*	0	*96.3*	*83.2-134*	0	
Surr: Toluene-d8	*51.4*	0	*50*	0	*103*	*87.2-118*	0	

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231779** Instrument ID **VMS2** Method: **SW8260B**

LCS Sample ID: **LCSr-R231779** Units: **µg/Kg** Analysis Date: **7/15/2024 10:10 AM**

Client ID: Run ID: **VMS2_240715A** SeqNo: **3451040** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	47.23	5.0	50	0	94.5	53.6-149	0			
1,1-Dichloroethene	47.74	5.0	50	0	95.5	38.8-176	0			
1,2-Dichloroethane	47.17	5.0	50	0	94.3	54.4-145	0			
1,3-Dichlorobenzene	46.71	5.0	50	0	93.4	58.4-144	0			
1,4-Dichlorobenzene	45.91	5.0	50	0	91.8	55.3-144	0			
Benzene	47.07	5.0	50	0	94.1	56-148	0			
Carbon tetrachloride	49.3	5.0	50	0	98.6	51.9-151	0			
Chlorobenzene	47.09	5.0	50	0	94.2	55.4-137	0			
Chloroform	45.37	5.0	50	0	90.7	51.1-147	0			
cis-1,2-Dichloroethene	45.11	5.0	50	0	90.2	47.6-149	0			
Ethylbenzene	47.66	5.0	50	0	95.3	55.8-142	0			
m,p-Xylene	95.55	5.0	100	0	95.6	57.6-141	0			
Styrene	47.58	5.0	50	0	95.2	59.6-143	0			
Tetrachloroethene	40.76	5.0	50	0	81.5	35.6-132	0			
Toluene	46.86	5.0	50	0	93.7	56-143	0			
Trichloroethene	47.64	5.0	50	0	95.3	56.5-143	0			
Surr: 4-Bromofluorobenzene	*49.95*	0	*50*	0	*99.9*	*88.4-119*	0			
Surr: Dibromofluoromethane	*47.48*	0	*50*	0	*95*	*83.2-134*	0			
Surr: Toluene-d8	*50.11*	0	*50*	0	*100*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231779** Instrument ID **VMS2** Method: **SW8260B**

MS Sample ID: **24070147-03AMS** Units: **µg/Kg** Analysis Date: **7/15/2024 10:26 AM**

Client ID: Run ID: **VMS2_240715A** SeqNo: **3451042** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	38.56	5.0	50	0	77.1	66.9-140	0			
1,1-Dichloroethene	37.33	5.0	50	0	74.7	41.4-161	0			
1,2-Dichloroethane	38.98	5.0	50	0	78	58.9-137	0			
1,3-Dichlorobenzene	35.3	5.0	50	0	70.6	42.5-150	0			
1,4-Dichlorobenzene	35.19	5.0	50	0	70.4	52.1-137	0			
Benzene	38.56	5.0	50	0	77.1	35.8-162	0			
Carbon tetrachloride	39.33	5.0	50	0	78.7	53.2-137	0			
Chlorobenzene	37.32	5.0	50	0	74.6	65.6-137	0			
Chloroform	36.49	5.0	50	0	73	63.6-147	0			
cis-1,2-Dichloroethene	36.83	5.0	50	0	73.7	52.9-138	0			
Ethylbenzene	37.49	5.0	50	0	75	57.5-134	0			
m,p-Xylene	76.51	5.0	100	0	76.5	56.4-135	0			
Styrene	37.66	5.0	50	0	75.3	60.9-135	0			
Tetrachloroethene	32.19	5.0	50	0	64.4	28.3-109	0			
Toluene	37.85	5.0	50	0	75.7	67.7-135	0			
Trichloroethene	37.44	5.0	50	0	74.9	56.5-136	0			
Surr: 4-Bromofluorobenzene	*50.6*	0	*50*	0	*101*	*88.4-119*	0			
Surr: Dibromofluoromethane	*47.28*	0	*50*	0	*94.6*	*83.2-134*	0			
Surr: Toluene-d8	*49.72*	0	*50*	0	*99.4*	*87.2-118*	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: Partners Environmental Consulting, Inc.
Work Order: 24070148
Project: Euclid Woodlawn Redevelopment Site; 2296.16

QC BATCH REPORT

Batch ID: **R231779** Instrument ID **VMS2** Method: **SW8260B**

MSD Sample ID: **24070147-03AMSD** Units: **µg/Kg** Analysis Date: **7/15/2024 10:43 AM**

Client ID: Run ID: **VMS2_240715A** SeqNo: **3451043** Prep Date: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	36.67	5.0	50	0	73.3	66.9-140	38.56	5.01	20	
1,1-Dichloroethene	34.8	5.0	50	0	69.6	41.4-161	37.33	7.02	20	
1,2-Dichloroethane	36.76	5.0	50	0	73.5	58.9-137	38.98	5.87	20	
1,3-Dichlorobenzene	31.52	5.0	50	0	63	42.5-150	35.3	11.3	20	
1,4-Dichlorobenzene	30.78	5.0	50	0	61.6	52.1-137	35.19	13.4	20	
Benzene	35.78	5.0	50	0	71.6	35.8-162	38.56	7.47	20	
Carbon tetrachloride	36.7	5.0	50	0	73.4	53.2-137	39.33	6.9	20	
Chlorobenzene	33.8	5.0	50	0	67.6	65.6-137	37.32	9.9	20	
Chloroform	34.25	5.0	50	0	68.5	63.6-147	36.49	6.32	20	
cis-1,2-Dichloroethene	34.11	5.0	50	0	68.2	52.9-138	36.83	7.66	20	
Ethylbenzene	34.35	5.0	50	0	68.7	57.5-134	37.49	8.74	20	
m,p-Xylene	69.54	5.0	100	0	69.5	56.4-135	76.51	9.55	20	
Styrene	33.88	5.0	50	0	67.8	60.9-135	37.66	10.6	20	
Tetrachloroethene	29.09	5.0	50	0	58.2	28.3-109	32.19	10.1	20	
Toluene	35.62	5.0	50	0	71.2	67.7-135	37.85	6.09	20	
Trichloroethene	34.43	5.0	50	0	68.9	56.5-136	37.44	8.39	20	
Surr: 4-Bromofluorobenzene	*50.85*	0	*50*	0	*102*	*88.4-119*	50.6	*0.495*		
Surr: Dibromofluoromethane	*46.92*	0	*50*	0	*93.8*	*83.2-134*	47.28	*0.771*		
Surr: Toluene-d8	*49.79*	0	*50*	0	*99.6*	*87.2-118*	49.72	*0.147*		

The following samples were analyzed in this batch: 24070148-04A 24070148-05A

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

ALS Environmental

Date: 19-Jul-24

Client: Partners Environmental Consulting, Inc.
Project: Euclid Woodlawn Redevelopment Site; 2296.16
WorkOrder: **24070148**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

Acronym	Description
DUP	Method Duplicate
E	EPA Method
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SDL	Sample Detection Limit
SW	SW-846 Method

Units Reported	Description
% of sample	
µg/L	
mg/Kg-dry	
mg/L	

ALS Environmental

Sample Receipt Checklist

Client Name: **PARTNERS-SOLON** Date/Time Received: **03-Jul-24 13:20**

Work Order: **24070148** Received by: **AB1**

Checklist completed by Alec Bolender (eSignature) 03-Jul-24 (Date) Reviewed by: Rob Nieman (eSignature) 16-Jul-24 (Date)

Matrices: soil; water

Carrier name: Courier

	Yes	No	Not Present
Shipping container/cooler in good condition?	☑	☐	☐
Custody seals intact on shipping container/cooler?	☐	☐	☑
Custody seals intact on sample bottles?	☐	☐	☑
Chain of custody present?	☑	☐	
Chain of custody signed when relinquished and received?	☑	☐	
Chain of custody agrees with sample labels?	☑	☐	
Samples in proper container/bottle?	☑	☐	
Sample containers intact?	☑	☐	
Sufficient sample volume for indicated test?	☑	☐	
All samples received within holding time?	☑	☐	
Container/Temp Blank temperature in compliance?	☑	☐	
Sample(s) received on ice?	☑	☐	

Temperature(s)/Thermometer(s): 2.2 120489

Cooler(s)/Kit(s):

Date/Time sample(s) sent to storage:

	Yes	No	No VOA vials submitted
Water - VOA vials have zero headspace?	☑	☐	☐
Water - pH acceptable upon receipt?	☐	☐	N/A ☑
pH adjusted?	☐	☐	N/A ☑

pH adjusted by: -

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

85799

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 1 of 4

REV 10/2017

24070148

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 7/1/24
Company Name: PARTNERS
Address: 31100 SOLON RD
Solon (City) OH (State) 44139 (Zip)
Person to Contact: CHRIS BUTCHER
Email Address: cbutcher@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: EUCLID WOODLAWN REDEVELOPMENT SITE
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs, SVOCs, METALS								
1	H-4 (2-4)	7/1/24	11:45		S	4	X									
2	H-4 (10-12)	7/1/24	11:45			4	X									
3	H-4 (6-8)	7/1/24	11:45			2		X								
4	G-2.5 (2-4)	7/1/24	1:50			4	X									
5	G-2.5 (4-6)		150			4	X									
6	G-2.5 (8-10)		1:50			2		X								
7	DUP-07012024 (2-4)		1:50			4	X									
8	DUP-07012024 (4-6)		1:50			4	X									
9	G-3.5 (4-6)		12:20			4	X									
10	G-3.5 (6-8)		12:20			4	X									

Notes: HOLD TCLP SAMPLES

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	4:30 7/1/24	[signature]	7/1/24 17:00
[signature]	10:00 7/3/24	[signature] ALS	7/3/24 1320

ALS LAB USE ONLY D0489

COOLER TEMP: 2.2 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

Field Chain-of-Custody Record

Page 2 of 4

099002

REV 5/2024

Ship To: ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

24070148

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO

Date: 7/1/24
Company Name: PARTNERS ENV
Address: 31100 SOLON RD
Solon OH 44139
City State Zip
Person to Contact: Chris butcher
Email Address: cbutcher@partnersenv.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: EUCLID WOODLAWN REDEVELOPMENT SITE
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs, SVOCs, METALS								
11	G-3.5	7/1/24	12:20		S	2		X								
12	I-3.5 (4-6)		12:50			6	X	X								
13	I-3.5 (6-8)		12:50			4	X									
14	I-2.5 (0-2)		1:20			4	X									
15	I-2.5 (6-8)		1:20			6	X	X								
16	J-1.25 (0-2)		3:25			2		X								
17	J-1.25 (4-6)		3:25			4	X									
18	J-1.25 (6-8)		3:25			4	X									
19	I-1.5 (4-6)		3:00			2		X								
20	I-1.5 (6-8)		3:00			4	X									

Notes:
HOLD TCLP

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Relinquished By: (Signature) Print	Time / Date	Received By: (Signature) Print	Time / Date
[signature]	4:30 7/2/24	[signature] Raymond	17:00 7/2/24
[signature] Raymond	10:00 7/3/24	[signature] ALS Alec Bolender	7/3/24 1320

ALS LAB USE ONLY
ICE: ☐ YES ☐ NO COOLER TEMP: 2.2 °C TAKEN WITH IR#: 1204RC
COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK
DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:
CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES
pH ADJUSTMENTS:

Ship To: ALS Environmental
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

099001

REV 5/2024

24070148

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO

Date: 7/1/24
Company Name: PARTNERS
Address: 31100 SOLON RD
Solon City, OH State, 44139 Zip
Person to Contact: Chris Butcher
Email Address: Cbutcher@partnersov.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: EUCLID/WOODLAWN REDEVELOPMENT SITE
Billing Address (if different): OEPA DERR

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOC, SVOCs, METALS								
21	I-1.5 (8-10)	7/1/24	3:00		S	4	X									
22	G-1.5 (2-4)		2:40		S	2		X								
23	G-1.5 (4-6)		2:40			4	X									
24	G-1.5 (10-12)		2:40			4	X									
25	H-1 (2-4)		3:45			2		X								
26	H-1 (4-6)		3:45			4	X									
27	H-1 (8-10)		3:45			4	X									
28	EB-07012024		4:30		GW	2	X									
28	EB-07012024		4:30		GW	2	X									

Notes:
HOLD ALL TCLP

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Relinquished By: (Signature) Print	Time / Date	Received By: (Signature) Print	Time / Date
[signature]	4:30 7/2/24	[signature]	1700 7/2/24
[signature]	1000 7/2/24	[signature] Alex Bolenda	7/3/24 1320

ALS LAB USE ONLY
ICE: ☐ YES ☐ NO COOLER TEMP: 2.2 °C TAKEN WITH IR#: 120489
COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK
DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:
CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES
pH ADJUSTMENTS:

Ship To: **ALS | Environmental**
4388 Glendale Milford Rd.
Cincinnati, Ohio 45242
Phone: (513) 733-5336
Fax: (513) 733-5347

Field Chain-of-Custody Record

Page 4 of 4

79968

REV 10/2017

24070148

☐ REGULAR Status ☐ RUSH Status RESULTS REQUIRED BY: (Date) _____
CONTACT ALS ENVIRONMENTAL PRIOR TO SENDING SAMPLES

OH VAP: ☐ YES ☐ NO BUSTR: ☐ YES ☐ NO NELAC: ☐ YES ☐ NO

Date: 7/1/24
Company Name: PARTNERS
Address: 31100 SOLON RD
Solon OH 44139
City State Zip
Person to Contact: Chris Butcher
Email Address: CButcher@partnersrw.com
Telephone ( ):
Alternate Contact:

Purchase Order No.:
Project No.: 2296.16
Sampling Site: EUCLID WOODLAWN
Billing Address (if different): OEPA DERR

ANALYSIS REQUESTED

ALS Lab ID	Sample ID / Description	Date	Time	Preservation Key #	Sample Type / Matrix Key Abbr.	# of Sample Containers	VOCs	TCLP VOCs SVOCs METALS								
29	DUP-07012024 (10-12)	7/1/24	11:45		S	4	X									
30	DUP-07012024 (2-4)	7/1/24	11:45		S	4	X									
31	SB-02A (10-12)	7/1/24	4:20		S	2		X								
32	F-3A (8-10)	7/1/24	4:30		S	2		X								

Notes: Run now

Preservation Key: 1 - HCl 2 - HNO_3 3 - H_2SO_4 4 - NaOH 5 - $Na_2S_2O_3$ 6 - $NaHSO_4$ 7 - NaOH/ZnAcetate 8 - Other 9 - 4°C

Matrix Key: A - Air B - Bulk S - Soil W - Water

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.

Relinquished By: (Signature)	Time / Date	Received By: (Signature)	Time / Date
[signature]	18:30 7/2/24	[signature]	17:00 7/2/24
[signature]	10:00 7/3/24	[signature]	7/3/24 1320

ALS LAB USE ONLY 120484

COOLER TEMP: 2.2 °C TAKEN WITH IR#: 119063 119059

COOLING METHOD: NONE COOLER WET ICE DRY ICE ICE PACK

DELIVERY METHOD: CLIENT DROP BOX FEDEX UPS STD MAIL PRTY MAIL ALS COURIER OTHER:

CUSTODY SEALS: NOT REQUIRED COOLER PACKAGE SAMPLES

pH ADJUSTMENTS:

APPENDIX D
PREVIOUS REPORTS

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Closure Assessment Form 2017

Report Date: July 12, 2022 Facility ID – Release No.: 18010863-N00002

Owner/Operator And Facility Data

UST Owner Information:

Company:	Cuyahoga County Land Reutilization Corporation
Address:	1810 Woodlawn Avenue
City, State:	East Cleveland, Ohio
Zip:	44112
Contact Person:	Jim Maher
Contact Phone:	216-698-8791
Email:	JMaher@cuyahogalandbank.org

Facility Information:

Company:	Vacant Lot
Address:	1810 Woodlawn Avenue
City, Zip:	East Cleveland, 44112
County:	Cuyahoga
Latitude (decimal):	41.51665 N
Longitude (dec):	81.59551 W
Fire Department:	East Cleveland

UST Operator Information:

Company:	NA
Address:	
City, State:	
Zip:	
Contact Person:	
Contact Phone:	
Email:	

Property Owner Information:

Company:	Cuyahoga County Land Reutilization Corporation
Address:	812 Huron Avenue
City, State:	Cleveland, Ohio
Zip:	44115
Contact Person:	Jim Maher
Contact Phone:	216-698-8791
Email:	JMaher@cuyahogalandbank.org

Activities Conducted During This Closure

On June 21, 2022, complete removal was conducted for one (1) abandoned 1,000-gallon steel gasoline UST. Based on review of Sanborn fire insurance maps and records as part of environmental assessment activities, the UST was used for gasoline by Economy Buick, auto sales and service, from 1930 through the 1940's. No piping or dispensers were present.

No liquids were present in the tank. Sand and sediment were observed in the tank. Upon removal, the steel UST was observed to be in poor condition with several holes. The UST was cleaned, compacted, and removed from the subject property for disposal at a landfill.

All sandy soil material was removed from the UST cavity and temporarily staged on plastic in an area adjacent to the excavation. The fill material from the UST cavity was not visibly stained. No odors were noted. Samples collected from the excavation and the stockpiled fill material in accordance with Ohio Administrative Code (OAC) Rules 1301:7-9-17.

The excavation was backfilled with crushed limestone to the surface. Approximately 43 cubic yards of crushed limestone were used.

Date The UST Was Last Used: 1940s

Person (Company) That Last Used the UST: Economy Buick

Underground Storage Tank (UST) System Data

TANK #	DATE INSTALLED	CAPACITY	PRODUCT	CONST. MATERIAL	TANK STATUS*	DATE REMOVED
1		1000	GASOLINE	STEEL	R	6/21/2022

STATUS:** ***CIP *= Closed-in-Place,* ***CIS =*** *Change-in-Service,* ***CIU =*** *Currently-In-Use,* ***R*** *= Removed,* ***RE*** *= Replaced,* ***OOS<90*** *= Out-of-Service < 90 days,* ***OOS>90*** *= Out-of-Service > 90 days,* ***OOS>12*** *= Out-of-Service > 12 months*

Closure Conclusions

Select one of the following:

☐ A Tier 1 Source Investigation is required

☒ No Further Action is requested

Analytical Group For This Closure

CHEMICALS OF CONCERN (Analytical Group):

☒ Group 1	☐ Group 2	☐ Group 3	☐ Group 4	☐ Group 5
If Group 5, explain:				

Sample Data

SAMPLE COLLECTION PROCEDURES

Sampling method and equipment:

Soil samples were collected for field screening and laboratory analysis in accordance with OAC Rules 1301:7-9-12. The samples were split into two (2) portions, one (1) for field screening and the second for potential submission to the laboratory for testing. The bucket of the excavator was used to recover soil from the sides and bottom of the excavation. The soil samples were collected by hand from soil in the bucket of the excavator by breaking the soil apart and collecting material from fresh surfaces. The soil samples were obtained from portions of the soil not touching the bucket of the excavator to avoid cross-contamination. New disposable nitrile gloves were worn to collect soil at each sample location. One portion of the sample was placed in a sealable plastic bag for field screening, and a second portion was placed in two (2), four (4) ounce laboratory supplied glass jars with Teflon lined lids and kept in a cooler with ice.

Sampling preservation:

Laboratory samples were placed in two (2), four (4) ounce laboratory supplied glass jars with Teflon lined lids and kept in a cooler with ice. The samples were shipped overnight under a chain-of-custody to Pace Analytical Labs in Mount Juliet, Tennessee.

FIELD SCREENING

Instrument used: RKI GX-6000-Photoionization Detector (PID) equipped with a 10.6 eV lamp

Methodology:

Soil grab samples collected for field screening were sealed in a re-sealable plastic bag and allowed equilibrate at ambient temperature for approximately 15-30 minutes prior to screening with the PID.

Calibration procedure:

The RKI PID was calibrated in the field each day of use following the manufacturer's protocol. The instrument was calibrated using ambient air and 100 parts per million standard isobutylene gas supplied by the manufacturer.

Groundwater Data

Answer the following:

Yes	No	N/A	
☐	☒		Was water present in excavation?
☐	☐	☒	Was the water evacuated from the cavity?
☐	☐	☒	Was a water sample collected prior to evacuation?
☐	☐	☒	Did the water recharge after evacuation?
☐	☐	☒	Was a water sample collected after evacuation?
☐	☒	☐	Was free product discovered during the closure?

If water was present in the excavation and no sample was collected, explain:

NA

Soil Classification

Select one of the following:

☒ SOIL CLASS 1 (USCS soil symbols GW, GP, GM, GC, SW, SP, SM)

NOTE: Geotechnical laboratory analysis documentation must be provided if soil class 2 or 3 is selected.

☐ SOIL CLASS 2 (USCS soil symbols SC, ML, CL, OL, MH)

☐ SOIL CLASS 3 (USCS soil symbols CH, OH, PT)

Field Screening Data For UST Cavity and Sidewalls

Dimensions of UST excavation(s): 8 feet wide, 18 feet long and 8 feet deep

Name and affiliation of person collecting samples: Jeremy Kendle, Partners Environmental Consulting. Inc.

SAMPLE ID	DATE	LOCATION	DEPTH	PID/FID READING (ppm)	SUBMITTED TO LAB?
B-1	6/21/2022	Cavity Bottom	8 ft	0.3	☐
B-2	6/21/2022	Cavity Bottom	8 ft	0.0	☐
N-1	6/21/2022	North Side Wall		0.0	☐
N-2	6/21/2022	North Side Wall		0.0	☐
S-1	6/21/2022	South Side Wall		0.9	☒
S-2	6/21/2022	South Side Wall		1.0	☒
E-1	6/21/2022	East Side Wall		0.0	☐
E-2	6/21/2022	East Side Wall		0.4	☐
W-1	6/21/2022	West Side Wall		0.5	☐
W-1	6/21/2022	West Side Wall		0.4	☐
					☐
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					☐
					☐

Field Screening Data for Dispensers

Total number of dispensers involved with this closure: None

Name and affiliation of person collecting samples: NA

SAMPLE ID	DATE	LOCATION	DEPTH	PID/FID READING (ppm)	SUBMITTED TO LAB?
					☐
					☐
					☐
					☐
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					☐
					☐
					☐
					☐
					☐

Field Screening Data For Piping

Total length of piping in feet? None

Name and affiliation of person collecting samples: NA

SAMPLE ID	DATE	LOCATION	DEPTH	PID/FID READING (ppm)	SUBMITTED TO LAB?
					☐
					☐
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					☐

Field Screening Data for Stockpile Sampling

STOCKPILE ID	1			
VOLUME (yd^3)	42.66			
DISPOSITION	S			

** **RTE** = Returned to excavation, **L** = Landfill, **S** = Stockpiled on site, **T** = Treatment by O/O (requires PCS Treatment Plan and prior approval)*

Yes	No	N/A	
☐	☐	☒	For stockpiles returned to the excavation, was the cavity lined in accordance with OAC 1301:7-9-16(D)(4) prior to backfilling?

SAMPLE ID	STOCKPILE ID \ STOCKPILE #	DATE	DEPTH	PID/FID READING (ppm)	SUBMITTED TO LAB?
SP-1	1	6/21/2022	1-8	0	☐
SP-2	1	6/21/2022	1-8	0	☒
SP-3	1	6/21/2022	1-8	0	☐
SP-4	1	6/21/2022	1-8	0	☒
SP-5	1	6/21/2022	1-8	0	☐
SP-6	1	6/21/2022	1-8	0	☒
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Laboratory Data

Laboratory Name: Pace Analytical
Address: 12065 Lebanon Road, Mount Juliet, TN 37122
Phone #: 615-758-5858
Accreditation (list at least one): Ohio VAP

Date samples received by lab: June 21, 2022
Date samples analyzed by lab: June 27, 2022

UST Cavity And Sidewalls Analytical Results

	WATER		ACTION LEVEL	SOIL			ACTION LEVEL
SAMPLE ID:				**S-1**	**S-2**		
CHEMICAL OF CONCERN:							
Benzene	NA	NA	0.005	<0.00143	<0.00138		0.246
Toluene			1	<0.00713	<0.00763		70.7
Ethylbenzene			0.7	<0.00356	<0.00345		84.5
Total Xylenes			10	<0.00926	<0.00992		42.7
Naphthalene			0.0014	<0.0178	<0.0172		0.511
1,2,4 Trimethyl Benzene			0.015	<0.00713	<0.00689		2.37
MTBE			0.120	<0.00143	<0.00138		1.58
1,2 - Dibromoethane (EDB)			0.00005	<0.00356	<0.00345		0.000982
1,2 - Dichloroethane (EDC)			0.005	<0.00356	<0.00381		0.101
Benzo (a) Anthracene			0.00092	N/A	N/A		12
Benzo (a) Pyrene			0.0002	N/A	N/A		1.2
Benzo (b) Fluoranthene			0.00092	N/A	N/A		12
Benzo (k) Fluoranthene			0.0092	N/A	N/A		120
Chrysene			0.092	N/A	N/A		1,200
Dibenz (a,h) Anthracene			0.000092	N/A	N/A		1.2
Indeno (1,2,3-cd) Pyrene			0.00092	N/A	N/A		12
TPH (C6-C12)			N/A	<0.121	<0.119		1,000
TPH (C10-C20)			N/A	N/A	N/A		2,000
TPH (C20-C34)			N/A	N/A	N/A		5,000
OTHER: Methylene Chloride			N/A	<0.0356	**0.0138**		N/A

NOTES:

Concentrations are reported in mg/kg for soil and mg/l for water.
Soil results are to be reported on a dry weight basis.
Soil action levels are for Class 1 Soils
For samples that have concentrations less than detection limits, list the detection limit (e.g. < 0.005).
If action levels are exceeded, conduct a Tier 1 Source Investigation pursuant to OAC 1301:7-9-13(H).

Dispenser Island Analytical Results

SAMPLE ID:	SOIL							ACTION LEVEL
CHEMICAL OF CONCERN:								
Benzene	NA							0.246
Toluene								70.7
Ethylbenzene								84.5
Total Xylenes								42.7
Naphthalene								0.511
1,2,4 Trimethyl Benzene								2.37
MTBE								1.58
1,2 - Dibromoethane (EDB)								0.000982
1,2 - Dichloroethane (EDC)								0.101
Benzo (a) Anthracene								12
Benzo (a) Pyrene								1.2
Benzo (b) Fluoranthene								12
Benzo (k) Fluoranthene								120
Chrysene								1,200
Dibenz (a,h) Anthracene								1.2
Indeno (1,2,3-cd) Pyrene								12
TPH (C6-C12)								1,000
TPH (C10-C20)								2,000
TPH (C20-C34)								5,000
OTHER:								

Piping Run And Remote Fill Pipe Analytical Results

SAMPLE ID:	SOIL							ACTION LEVEL
CHEMICAL OF CONCERN:								
Benzene	NA							0.246
Toluene								70.7
Ethylbenzene								84.5
Total Xylenes								42.7
Naphthalene								0.511
1,2,4 Trimethyl Benzene								2.37
MTBE								1.58
1,2 - Dibromoethane (EDB)								0.000982
1,2 - Dichloroethane (EDC)								0.101
Benzo (a) Anthracene								12
Benzo (a) Pyrene								1.2
Benzo (b) Fluoranthene								12
Benzo (k) Fluoranthene								120
Chrysene								1,200
Dibenz (a,h) Anthracene								1.2
Indeno (1,2,3-cd) Pyrene								12
TPH (C6-C12)								1,000
TPH (C10-C20)								2,000
TPH (C20-C34)								5,000
OTHER:								

NOTES: *See the five notes listed in the UST Cavity and Sidewalls Analytical Results Section*

Stockpile Analytical Results

STOCKPILE SAMPLE ID:	SP-2	SP-4	SP-6				ACTION LEVEL (mg/kg)	RE-USE LEVEL (mg/kg)
STOCKPILE ID:	1	1	1					
STOCKPILE DISPOSITION*:								
CHEMICAL OF CONCERN:								
Benzene	<0.00153	<0.00145	<0.00124				0.246	0.024
Toluene	<0.00763	<0.00745	<0.00620				70.7	7.07
Ethylbenzene	<0.00381	<0.00362	<0.00310				84.5	8.45
Total Xylenes	<0.00992	<0.00942	<0.00806				42.7	42.7
Naphthalene	<0.0191	<0.0181	<0.0155				0.511	0.051
1,2,4 Trimethyl Benzene	<0.00763	<0.00725	<0.00620				2.37	0.237
MTBE	<0.00153	<0.00362	<0.00124				1.58	0.158
1,2 - Dibromoethane (EDB)	<0.00381	<0.00362	<0.00310				0.000982	0.000982
1,2 - Dichloroethane (EDC)	<0.00381	<0.00362	<0.00310				0.101	0.0101
Benzo (a) Anthracene	N/A	N/A	N/A				12	12
Benzo (a) Pyrene	N/A	N/A	N/A				1.2	1.2
Benzo (b) Fluoranthene	N/A	N/A	N/A				12	12
Benzo (k) Fluoranthene	N/A	N/A	N/A				120	120
Chrysene	N/A	N/A	N/A				1,200	1,200
Dibenz (a,h) Anthracene	N/A	N/A	N/A				1.2	1.2
Indeno (1,2,3-cd) Pyrene	N/A	N/A	N/A				12	12
TPH (C6-C12)	**0.11**	**0.448**	**0.304**				1,000	1,000.0
TPH (C10-C20)	N/A	N/A	N/A				2,000	2,000.0
TPH (C20-C34)	N/A	N/A	N/A				5,000	5,000.0
OTHER: Methylene Chloride	**0.0148**	**0.0128**	**0.0101**				N/A	N/A

NOTES:

See the five notes listed in the UST Cavity and Sidewalls Analytical Results Section

**** RTE** = Returned to excavation, **L** = Landfill, **S** = Stockpiled, **T** = Treatment by O/O (requires PCS Treatment Plan)*

Waste Disposal Data

UST SYSTEM DISPOSITION:

Company Name: Willoughby Iron and Waste

Address: 3884 Church Street

City/State/Zip: Willoughby, Ohio 44094

PRODUCT DISPOSITION:

Company: NA

Address:

City:

State/Zip:

Total Volume (gal):

WASTEWATER DISPOSITION:

Company: NA

Address:

City:

State/Zip:

Total Volume (gal):

Leak Autopsy Data (complete this section only if "confirmed release")

POTENTIAL RELEASE SOURCE(S):

☐ Tank	☐ Piping	☐ Dispenser	☐ Submersible Pump
☐ Delivery Problem	☐ Unknown	☐ Other	☒ N\A

List specific sources:

NA

POTENTIAL CAUSE OF RELEASE:

☐ Spill	☐ Overfill	☐ Corrosion	☐ Install Problem	☒ N\A
☐ Physical / Mechanical Damage or Failure			☐ Unknown	☐ Other

List specific causes:

NA

Form Preparer & Owner / Operator Signature

Certified Fire Safety Inspector:

Name: Randal Heck
Company: Certified Underground Storage Inspector
Address: 6981 Baymere Ave. SW
City, State, Zip: Navare, OH 44662
Phone: (330) 353-2891
Email: heck6981@gmail.com
ID #: 64-76-0002

Certified Installer:

Name: Bruce Haas
Company: Trenching Unlimited
Address: 10131 Bartholomew Rd.
City, State, Zip: Chagrin Falls, OH, 44023
Phone: (440) 543-8162
Email:
ID #: 63-18-0009

Form Prepared By:

Name: Jeremy Kendle
Company: Partners Environmental Consulting
Street Address: 31100 Solon Road
City, State, Zip: Solon, Ohio 44129
Phone #: 800-763-1363
Email: jkendle@partnersenv.com

This Form **must** be signed by the UST owner/operator. The owner/operator is responsible for ensuring all data is accurate, and the form is legible and complete.

Owner / Operator Signature:

Print Name: Kim Kimlin **Date:** 7/12/2022

Director of Community Stabilization
Cuyahoga County Land Revitalization Corporation

Miscellaneous Data

Additional information which is required by OAC 1301:7-9-12 or additional information which clarifies the investigation activities shall be submitted as appendices.

TABLES:

Table 1 Soil Concentrations Compared to Action Levels

FIGURES:

Figure 1 Topographic Map
Figure 2 Site Map
Figure 3 Site Map with Soil Sampling Locations and Concentrations

NOTE:
AERIAL PHOTOGRAPHS SHOULD NOT BE USED AS THE BASE MAP FOR THESE FIGURES DUE TO REPRODUCIBILITY ISSUES.

APPENDIX:

Appendix A Permit
Appendix B Field Inspection Report
Appendix C Laboratory Analytical Report
Appendix D Chain of Custody
Appendix E Accredited Laboratory Documentation
Appendix F Laboratory Analysis Summary Form
Appendix G Disposal Documentation
Appendix H Photographs

CHEMICALS OF CONCERN AND RECOMMENDED LABORATORY METHODS

Analytical Group 1: Light distillate products including unleaded gasoline, leaded gasoline, gasoline blended with alcohol, racing fuel, and aviation gasoline

Analytical Group 2: Middle distillate products including diesel, biodiesel blended with diesel, light fuel oils, stoddard solvents, mineral spirits, kerosene, and jet fuels

Analytical Group 3: Heavy petroleum distillate products including, but not limited to, lubricating and hydraulic oils

Analytical Group 4: Used oil

Analytical Group 5: Unknown petroleum products or petroleum products other than those listed in analytical groups 1, 2, 3 and 4. Additional chemical(s) of concern and analytical methods must be selected, as appropriate, based on reasonably available information related to the product stored, including additives, impurities and degradation products. In addition, chemical(s) of concern should be selected based on their toxicity, mobility, and persistence in the environment. The owners and operators shall consult with the state fire marshal for the appropriate chemical(s) of concern for products not in analytical group 1, 2, 3 and 4.

	Analytical Group Number	1	2	3	4	5	**Analytical Methods[7]**	
		Light Distillates	Middle Distillates	Heavy Distillates	Used Oil	Unknowns & Others	Soil [4]	Groundwater
	Chemical							
Aromatics	Benzene	x	x		x		8021, 8260	8021, 8260
	Toluene	x	x		x			
	Ethylbenzene	x	x		x			
	o, m and p-Xylenes	x	x		x			
	Naphthalene	x			x			
	1,2,4 - Trimethylbenzene	x			x			
Additives	(MTBE)	x			x		8021,8260	8021, 8260
	1,2 – Dibromoethane (EDB) [5,6]	x			x		8260	8011
	1,2 – Dichloroethane (EDC) [5,6]	x			x		8260	8260
Polynuclear Aromatics	Benzo(a)anthracene		x	x	x		8270, 8310	8270, 8310
	Benzo(a)pyrene		x	x	x			
	Benzo(b)fluoranthene		x	x	x			
	Benzo(k)fluoranthene		x	x	x			
	Chrysene		x	x	x			
	Dibenz(a,h)anthracene		x	x	x			
	Indeno(1,2,3-c,d)pyrene		x	x	x			
	Naphthalene		x	x	x			
Chlorinated Hydrocarbons	Volatile Organic Hydrocarbons				x		8260	8260
Total Petroleum Hydrocarbons [1]	TPH (C6 – C12)	x			x		8015	N/A
	TPH (C10 – C20)		x		x			
	TPH (C20 – C34)			x	x			
	Varies based on UST contents [2]			x	x	x [3]		

1 TPH analysis is not required for groundwater samples.
2 Additional chemicals of concern should be based on Material Safety and Data Sheets (MSDS) and analyzed with an appropriate laboratory test method capable of meeting established target levels.
3 Refer to paragraph (H)(1)(c)(v).
4 Soil analytical results shall be reported on a dry weight basis.
5 EDB and EDC shall be analyzed for automotive gasoline USTs that were in service prior to January 1, 1996.
6 EDB and EDC shall be analyzed for all USTs containing aviation gasoline, racing fuel, and used oil.
7 Alternate laboratory methods will be considered if the methods meet the quality control, performance and method detection level requirements.

BUSTR CLOSURE ACTION LEVELS					
Chemicals of Concern	**Soil Action Levels**			**Water**	**PCS Re-use**
	Class 1 Soils	**Class 2 Soils**	**Class 3 Soils**		
Benzene	0.246	0.437	1.63	0.005	0.024
Toluene	70.7	168	850	1	7.07
Ethylbenzene	84.5	130	130	0.7	8.45
Total Xylenes	42.7	51.8	63.5	10	42.7
Naphthalene	0.511	1.12	4.99	0.0014	0.051
1,2,4 Trimethylbenzene	2.37	5.89	7.99	0.015	0.237
MTBE	1.58	2.67	11.5	0.12	0.158
1,2 - Dibromoethane (EDB)	0.000982	0.00177	0.00734	0.00005	0.000982
1,2 - Dichloroethane (EDC)	0.101	0.177	0.714	0.005	0.0101
Benzo(a)anthracene	12	12	12	0.00092	12
Benzo(a)pyrene	1.2	1.2	1.2	0.0002	1.2
Benzo(b)flouranthene	12	12	12	0.00092	12
Benzo(k)flouranthene	120	120	120	0.0092	120
Chrysene	1,200	1,200	1,200	0.092	1,200
Dibenz(a,h)anthracene	1.2	1.2	1.2	0.000092	1.2
Indeno(1,2,3-cd) pyrene	12	12	12	0.00092	12
TPH C_6-C_{12}	1,000	5,000	8,000	-	1,000
TPH C_{10}-C_{20}	2,000	10,000	20,000	-	2,000
TPH C_{20}-C_{34}	5,000	20,000	40,000	-	5,000

Soil contaminant levels in mg/kg
Water contaminant levels in mg/L

Note: Geotechnical lab analysis must be provided if soil class 2 or 3 are used

PETROLEUM CONTAMINATED SOIL (PCS) FORM

This form should be completed and submitted within 120 days of generating a stockpile, within 180 days of placing the soil in portable containers, or prior to storage or treatment, whichever comes first. ***A separate PCS form shall be completed for each stockpile generated.***

OWNER/OPERATOR INFORMATION:

OWNER/OPERATOR NAME: Cuyahoga County Land Reutilization Corporation CONTACT PERSON: Jim Maher PHONE: 216-698-8791

UST FACILITY INFORMATION:

Facility ID#: 18010863
Facility Name: Vacant Lot
Address: 1810 Woodlawn Avenue
City: East Cleveland
County: Cuyahoga
State: Ohio Zip: 44112

STORAGE FACILITY INFORMATION:

Facility ID#: NA
Facility Name:
Address:
City:
County:
State: Zip:

DISPOSAL/TREATMENT FACILITY INFORMATION:

Facility ID#: NA
Facility Name:
Address:
City:
County:
State: Zip:

CUBIC YARDS:

	On-site treatment (requires a treatment plan)
	Off-site treatment (requires a treatment plan)
X	Soil analysis falls below Rule 16 re-use levels (RUL)
	Returned to excavation (below site specific action levels) (RTE BAL)
	Returned to excavation (above site specific action levels) (RTE AAL)
	Disposal at a landfill (LFL)

Stockpile ID: 1 Date Generated: 6/21/2022 Date Transferred:

FIGURES

Figure 1: Property Location Map

11/30/2021, 9:34:30 AM

1:4,514

0 0.03 0.06 0.11 mi

0 0.04 0.09 0.18 km

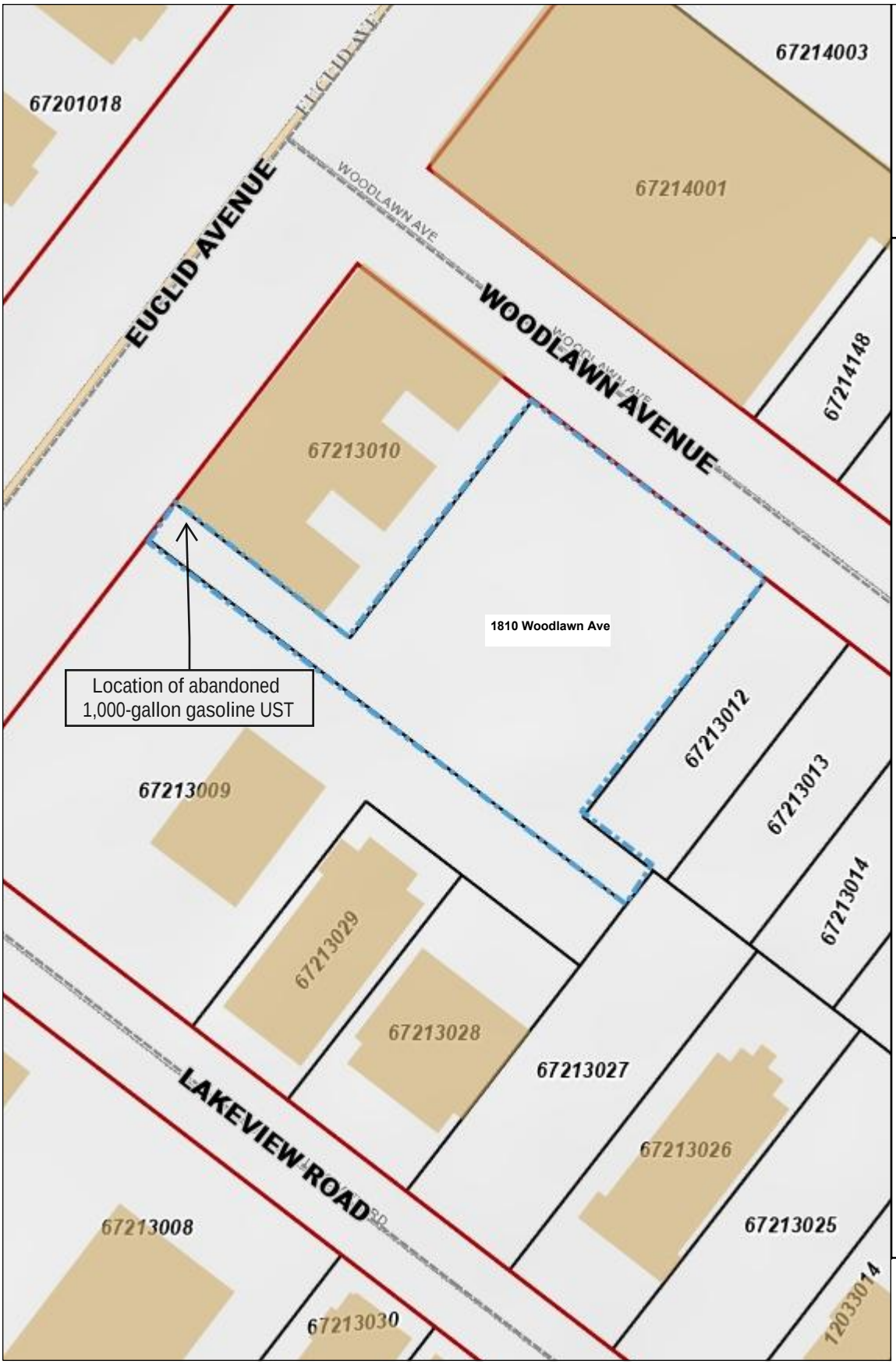
Property Location

PARTNERS

Cuyahoga County, Province of Ontario, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

USGS
2021 USGS

Figure 2: Site Map



Date Created: 7/11/2022

Legend

- Muniipalities
- Right Of Way
- Platted Centerline
- Parcel
- Buildings

Vacant Lot
1810 Woodlawn Avenue
East Cleveland, Ohio

Project #896.120

1: 600

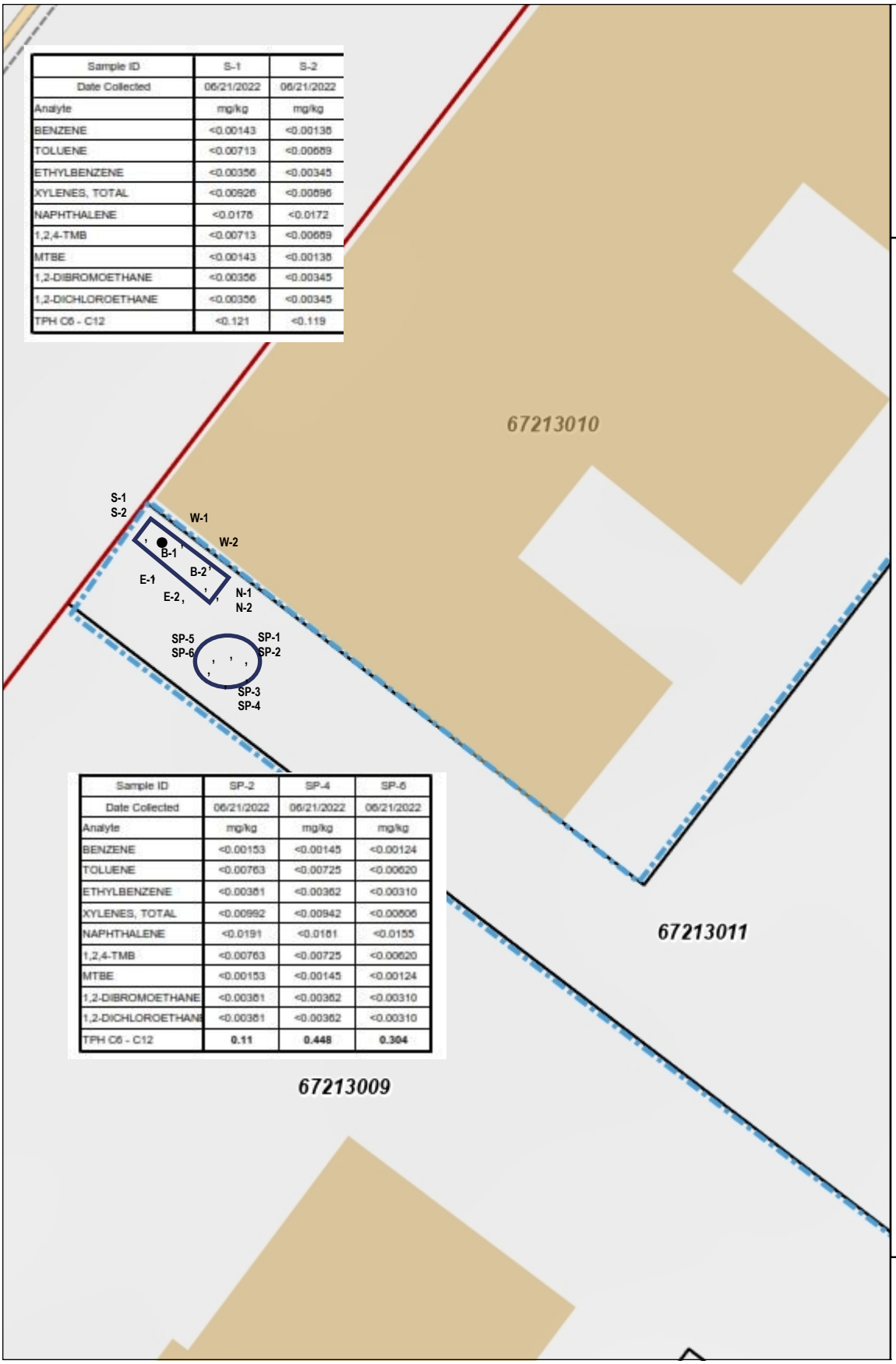
PARTNERS

100 0 50 100 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

Figure 3: Site Map with Sampling Locations



Sample ID	S-1	S-2
Date Collected	06/21/2022	06/21/2022
Analyte	mg/kg	mg/kg
BENZENE	<0.00143	<0.00136
TOLUENE	<0.00713	<0.00689
ETHYLBENZENE	<0.00356	<0.00345
XYLENES, TOTAL	<0.00926	<0.00896
NAPHTHALENE	<0.0176	<0.0172
1,2,4-TMB	<0.00713	<0.00689
MTBE	<0.00143	<0.00136
1,2-DIBROMOETHANE	<0.00356	<0.00345
1,2-DICHLOROETHANE	<0.00356	<0.00345
TPH C6 - C12	<0.121	<0.119

Sample ID	SP-2	SP-4	SP-6
Date Collected	06/21/2022	06/21/2022	06/21/2022
Analyte	mg/kg	mg/kg	mg/kg
BENZENE	<0.00153	<0.00145	<0.00124
TOLUENE	<0.00763	<0.00725	<0.00620
ETHYLBENZENE	<0.00381	<0.00362	<0.00310
XYLENES, TOTAL	<0.00992	<0.00942	<0.00806
NAPHTHALENE	<0.0191	<0.0181	<0.0155
1,2,4-TMB	<0.00763	<0.00725	<0.00620
MTBE	<0.00153	<0.00145	<0.00124
1,2-DIBROMOETHANE	<0.00381	<0.00362	<0.00310
1,2-DICHLOROETHANE	<0.00381	<0.00362	<0.00310
TPH C6 - C12	**0.11**	**0.448**	**0.304**

Date Created: 7/11/2022

Legend

- Municipalities
- Right Of Way
- Platted Centerline
- Parcel
- Buildings - 2017
- Sample Location

Vacant Lot
1810 Woodlawn Avenue
East Cleveland, Ohio

Project# 896.120

1: 211

PARTNERS

35 0 18 35 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

TABLE

Table 1
Soil Concentrations Compared to Action Levels
Vacant Lot, 1810 Woodlawn Avenue
East Cleveland, Ohio

				UST Cavity		Stockpile		
Sample ID		*Closure Action Level*	*PCS Re-Use*	S-1	S-2	SP-2	SP-4	SP-6
Date Collected				06/21/2022	06/21/2022	06/21/2022	06/21/2022	06/21/2022
Analyte	Units			Result	Result	Result	Result	Result
BENZENE	mg/kg	*0.246*	*0.024*	<0.00143	<0.00138	<0.00153	<0.00145	<0.00124
TOLUENE	mg/kg	*70.7*	*7.07*	<0.00713	<0.00689	<0.00763	<0.00725	<0.00620
ETHYLBENZENE	mg/kg	*84.5*	*8.45*	<0.00356	<0.00345	<0.00381	<0.00362	<0.00310
XYLENES, TOTAL	mg/kg	*42.7*	*42.7*	<0.00926	<0.00896	<0.00992	<0.00942	<0.00806
NAPHTHALENE	mg/kg	*0.511*	*0.051*	<0.0178	<0.0172	<0.0191	<0.0181	<0.0155
1,2,4-TRIMETHYLBENZENE	mg/kg	*2.37*	*0.237*	<0.00713	<0.00689	<0.00763	<0.00725	<0.00620
METHYL TERT-BUTYL ETHER	mg/kg	*1.58*	*0.158*	<0.00143	<0.00138	<0.00153	<0.00145	<0.00124
1,2-DIBROMOETHANE	mg/kg	*0.000982*	*0.000982*	<0.00356	<0.00345	<0.00381	<0.00362	<0.00310
1,2-DICHLOROETHANE	mg/kg	*0.101*	*0.0101*	<0.00356	<0.00345	<0.00381	<0.00362	<0.00310
METHYLENE CHLORIDE	mg/kg	*NA*	*NA*	<0.0356	**0.0138**	**0.0148**	**0.0128**	**0.0101**
TPH C6 - C12	mg/kg	*1000*	*1000*	<0.121	<0.119	**0.11**	**0.448**	**0.304**

Notes

mg/kg = Milligrams per kilogram

Bold numbers = concentration above laboratory detection limits.

Bold and shaded = concentration above a comparison standard.

APPENDIX A
PERMIT

Ohio | Department of Commerce

Division of State Fire Marshal

Mike DeWine, Governor
Jon Husted, Lt. Governor

Sheryl Maxfield, Director

STATE FIRE MARSHAL

PERMIT FOR UNDERGROUND STORAGE TANKS

Owner No. W263240
Facility No. 18010863

Permit Number: P00001
Issue Date: JUNE 10, 2022

I. OWNERSHIP OF TANKS	II. LOCATION OF TANKS
CCLRC 812 HURON ROAD E, STE 800 CLEVELAND, OHIO 44115 CONTACT PERSON: JIM MAHER PHONE: (216)698-8791	VACANT LOT 1810 WOODLAWN AVENUE EAST CLEVELAND Ohio 44112 COUNTY: CUYAHOGA PHONE: FACILITY PHONE
III. CONTRACTOR INFORMATION	**IV. LOCAL FIRE DEPARTMENT INFORMATION**
TRENCHING UNLIMITED, INC BRUCE HASS 10131 BARTHOLOMEW RD CHAGRIN FALLS, OHIO 44023 PHONE:(440)543-8162	EAST CLEVELAND FIRE DEPARTMENT 1822 MARLOES AVE EAST CLEVELAND, OH 44112

V. PERMIT ISSUED FOR:

Works to be performed					
	Entire System	UST	Piping	Containment	Ancillary Equipment
Installation					
Modification					
Replace					
Major Repair					
Removal	1	0	0	0	0
Close in Place					
Change in Service					
Out-of-Service					
Change of Product					

BUREAU USE ONLY

Certified Installer's Name: BRUCE HAAS No. 03-18-0009

Certified Inspector's Signature: [illegible] No. 44-76-0002

APPENDIX B
FIELD INSPECTION REPORT

State of Ohio—Department of Commerce
Division of State Fire Marshal—Bureau of Testing & Registration
P.O. Box 529, Reynoldsburg, Ohio 43068
Phone (614) 752-7126 Fax (614) 995-4206
TTY/TDD 800-750-0750 www.com.ohio.gov

BUSTR Removal Field Inspection Report

(For Removal, Modification/Major Repair, Closure in Place and Change in Service Activity)

☐ Preliminary ☒ Final	Owner #: W263240	Facility #: 18010863	Permit #: P00001	Permit Date: 6/10/22

Owner/Operator Name: CCLRC	Facility Name: VACANT LOT
Address: 812 HURON ROAD E. STE 800	Address: 1810 WOODLAWN AVE.
City/State/Zip: CLEVELAND, OH. 44115	City/State/Zip: EAST CLEVELAND, OH. 44112

Tank ID Number	# 1	#	#	#	#	#
Cavity ID Number	1					
Tank Capacity	1,000 GAL					
Tank Contents	GASOLINE					
☒ Removal ☐ Modification ☐ Major Repair to ☐ UST System ☒ Tank ☐ Piping ☐ Other Component (check or circle all that apply)	# STEEL TANK	#	#	#	#	#
**Purging Inspection (LEL below 10%)	(Yes) No	Yes No	Yes No	Yes No	Yes No	Yes No
**Pre-cutting Inspection (LEL below 10%)	(Yes) No	Yes No	Yes No	Yes No	Yes No	Yes No
Removal of Tank from he Ground Observed	(Yes) No	Yes No	Yes No	Yes No	Yes No	Yes No
Holes observed in Tank or (explain in Remarks)	(Yes) No	Yes No	Yes No	Yes No	Yes No	Yes No
Tank Cavity Appearance after Removal*	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP
UST Cleaned and Rendered Unusable Before Leaving Site	(Yes) No	Yes No	Yes No	Yes No	Yes No	Yes No
☐ Closure-in-Place ☐ Change-in Service	# N/A	#	#	#	#	#
Closure-in-Place Written Approval Observed	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
Purging Inspection (LEL below 10%)	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
Pre-cutting Inspection (LEL below 10%)	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
Filling of: ☐Tank ☐Piping Observed	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
Piping/Dispenser Removed (If Applicable)	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
All Inspections – Removal Observations	#	#	#	#	#	#
**Removal of Piping from the Ground Observed	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
**Holes observed in Piping (explain in Remarks)	Yes No	Yes No	Yes No	Yes No	Yes No	Yes No
**Piping Run Appearance after Removal*	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP
**Beneath Dispenser Appearance after Removal*	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP	O / W / ST / FP

Remarks: REMOVAL OF 1 UST. TANK WAS METERED, REMOVED FROM CAVITY, CUT OPEN, CLEANED OUT & REMOVED OFF SITE TO SCRAP YARD. NO PIPING WAS PRESENT. SOIL SAMPLES WERE TAKEN.

* Indicate O=Odor, W=Water, ST=Staining, FP=Free Product / ** These are required for Removal, Modification or Major Repair Inspections.

Certified Installer Name (printed): BRUCE HAAS		Certified Inspector Name (printed): RANDOL HICK	
Certified Installer Signature: B—		Certified Inspector Signature: Randol Hick	
Certified Installer #: C3-18-0009	Date: 6/21/22	Certified Inspector #: C4-26-0002	Date: 6/21/22 Hrs. on Site:

Distribution: White – Agency Copy Canary – Owner Copy Pink – Inspector Copy

APPENDIX C
LABORATORY REPORT

ANALYTICAL REPORT

June 29, 2022

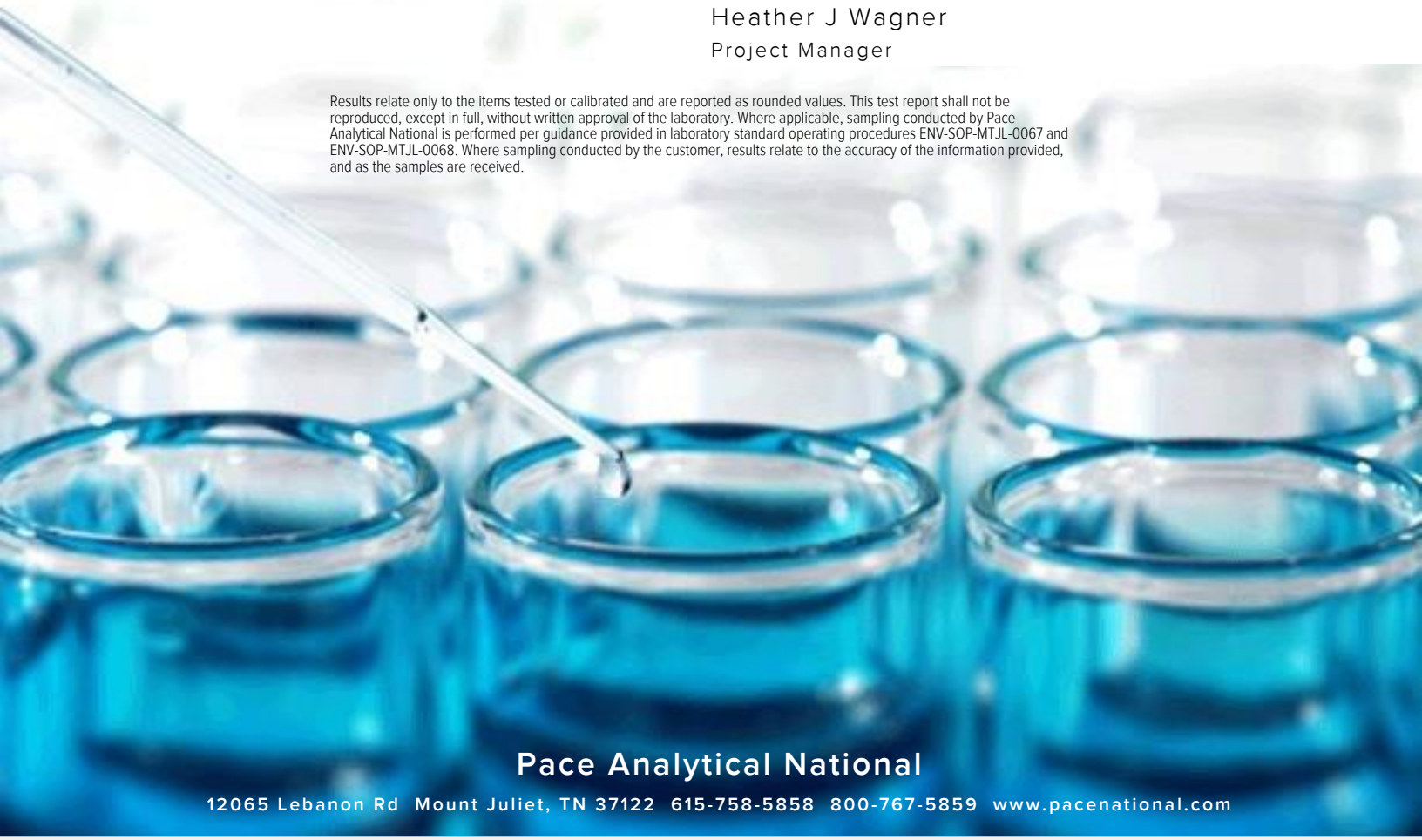
Partners Env. Consulting - Solon, OH

Sample Delivery Group:	L1507647
Samples Received:	06/22/2022
Project Number:	896.120
Description:	1810 Woodlawn Ave. UST
Report To:	Valerie Weir 31100 Solon Road, Ste. G Solon, OH 44139

Entire Report Reviewed By:

Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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Sc: Sample Chain of Custody 23

S-1 L1507647-01 Solid

Collected by	Collected date/time	Received date/time
J/K	06/21/22 10:45	06/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1884405	1	06/24/22 14:56	06/24/22 15:07	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1885728	1	06/24/22 14:55	06/27/22 08:06	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885724	1	06/24/22 14:55	06/27/22 08:41	DWR	Mt. Juliet, TN

S-2 L1507647-02 Solid

Collected by	Collected date/time	Received date/time
J/K	06/21/22 10:45	06/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1884405	1	06/24/22 14:56	06/24/22 15:07	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1885728	1	06/24/22 14:55	06/27/22 08:29	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885724	1	06/24/22 14:55	06/27/22 09:01	DWR	Mt. Juliet, TN

SP-2 L1507647-03 Solid

Collected by	Collected date/time	Received date/time
J/K	06/21/22 10:25	06/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1884405	1	06/24/22 14:56	06/24/22 15:07	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1885728	1	06/24/22 14:55	06/27/22 08:52	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885724	1	06/24/22 14:55	06/27/22 09:20	DWR	Mt. Juliet, TN

SP-4 L1507647-04 Solid

Collected by	Collected date/time	Received date/time
J/K	06/21/22 10:30	06/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1884405	1	06/24/22 14:56	06/24/22 15:07	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1885728	1	06/24/22 14:55	06/27/22 09:15	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885724	1	06/24/22 14:55	06/27/22 09:39	DWR	Mt. Juliet, TN

SP-6 L1507647-05 Solid

Collected by	Collected date/time	Received date/time
J/K	06/21/22 10:30	06/22/22 09:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1884405	1	06/24/22 14:56	06/24/22 15:07	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1885728	1	06/24/22 14:55	06/27/22 09:38	MGF	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1885724	1	06/24/22 14:55	06/27/22 09:59	DWR	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Heather J Wagner
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	82.5		1	06/24/2022 15:07	WG1884405

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		0.0411	0.121	1	06/27/2022 08:06	WG1885728
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*06/27/2022 08:06*	WG1885728

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000666	0.00143	1	06/27/2022 08:41	WG1885724
Toluene	U		0.00185	0.00713	1	06/27/2022 08:41	WG1885724
Ethylbenzene	U		0.00105	0.00356	1	06/27/2022 08:41	WG1885724
Total Xylenes	U		0.00125	0.00926	1	06/27/2022 08:41	WG1885724
Methyl tert-butyl ether	U		0.000499	0.00143	1	06/27/2022 08:41	WG1885724
1,2-Dichloroethane	U		0.000925	0.00356	1	06/27/2022 08:41	WG1885724
1,2-Dibromoethane	U		0.000924	0.00356	1	06/27/2022 08:41	WG1885724
Naphthalene	U		0.00696	0.0178	1	06/27/2022 08:41	WG1885724
1,2,4-Trimethylbenzene	U		0.00225	0.00713	1	06/27/2022 08:41	WG1885724
Acetone	U		0.0520	0.0713	1	06/27/2022 08:41	WG1885724
Acrylonitrile	U		0.00515	0.0178	1	06/27/2022 08:41	WG1885724
Bromobenzene	U		0.00128	0.0178	1	06/27/2022 08:41	WG1885724
Bromodichloromethane	U		0.00103	0.00356	1	06/27/2022 08:41	WG1885724
Bromoform	U		0.00167	0.0356	1	06/27/2022 08:41	WG1885724
Bromomethane	U	J3	0.00281	0.0178	1	06/27/2022 08:41	WG1885724
n-Butylbenzene	U		0.00748	0.0178	1	06/27/2022 08:41	WG1885724
sec-Butylbenzene	U		0.00410	0.0178	1	06/27/2022 08:41	WG1885724
tert-Butylbenzene	U		0.00278	0.00713	1	06/27/2022 08:41	WG1885724
Carbon tetrachloride	U		0.00128	0.00713	1	06/27/2022 08:41	WG1885724
Chlorobenzene	U		0.000299	0.00356	1	06/27/2022 08:41	WG1885724
Chlorodibromomethane	U		0.000872	0.00356	1	06/27/2022 08:41	WG1885724
Chloroethane	U	J3	0.00242	0.00713	1	06/27/2022 08:41	WG1885724
Chloroform	U		0.00147	0.00356	1	06/27/2022 08:41	WG1885724
Chloromethane	U		0.00620	0.0178	1	06/27/2022 08:41	WG1885724
2-Chlorotoluene	U		0.00123	0.00356	1	06/27/2022 08:41	WG1885724
4-Chlorotoluene	U		0.000641	0.00713	1	06/27/2022 08:41	WG1885724
1,2-Dibromo-3-Chloropropane	U		0.00556	0.0356	1	06/27/2022 08:41	WG1885724
Dibromomethane	U		0.00107	0.00713	1	06/27/2022 08:41	WG1885724
1,2-Dichlorobenzene	U		0.000606	0.00713	1	06/27/2022 08:41	WG1885724
1,3-Dichlorobenzene	U		0.000855	0.00713	1	06/27/2022 08:41	WG1885724
1,4-Dichlorobenzene	U		0.000998	0.00713	1	06/27/2022 08:41	WG1885724
Dichlorodifluoromethane	U		0.00229	0.00356	1	06/27/2022 08:41	WG1885724
1,1-Dichloroethane	U		0.000700	0.00356	1	06/27/2022 08:41	WG1885724
1,1-Dichloroethene	U		0.000864	0.00356	1	06/27/2022 08:41	WG1885724
cis-1,2-Dichloroethene	U		0.00105	0.00356	1	06/27/2022 08:41	WG1885724
trans-1,2-Dichloroethene	U		0.00148	0.00713	1	06/27/2022 08:41	WG1885724
1,2-Dichloropropane	U		0.00202	0.00713	1	06/27/2022 08:41	WG1885724
1,1-Dichloropropene	U		0.00115	0.00356	1	06/27/2022 08:41	WG1885724
1,3-Dichloropropane	U		0.000714	0.00713	1	06/27/2022 08:41	WG1885724
cis-1,3-Dichloropropene	U		0.00108	0.00356	1	06/27/2022 08:41	WG1885724
trans-1,3-Dichloropropene	U		0.00162	0.00713	1	06/27/2022 08:41	WG1885724
2,2-Dichloropropane	U		0.00197	0.00356	1	06/27/2022 08:41	WG1885724
Di-isopropyl ether	U		0.000584	0.00143	1	06/27/2022 08:41	WG1885724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00855	0.0356	1	06/27/2022 08:41	WG1885724
n-Hexane	U		0.00322	0.00713	1	06/27/2022 08:41	WG1885724
Isopropylbenzene	U		0.000606	0.00356	1	06/27/2022 08:41	WG1885724
p-Isopropyltoluene	U		0.00363	0.00713	1	06/27/2022 08:41	WG1885724
2-Butanone (MEK)	U		0.0905	0.143	1	06/27/2022 08:41	WG1885724
Methylene Chloride	U		0.00946	0.0356	1	06/27/2022 08:41	WG1885724
4-Methyl-2-pentanone (MIBK)	U		0.00325	0.0356	1	06/27/2022 08:41	WG1885724
n-Propylbenzene	U		0.00135	0.00713	1	06/27/2022 08:41	WG1885724
Styrene	U		0.000326	0.0178	1	06/27/2022 08:41	WG1885724
1,1,1,2-Tetrachloroethane	U		0.00135	0.00356	1	06/27/2022 08:41	WG1885724
1,1,2,2-Tetrachloroethane	U		0.000991	0.00356	1	06/27/2022 08:41	WG1885724
Tetrachloroethene	U		0.00128	0.00356	1	06/27/2022 08:41	WG1885724
1,2,3-Trichlorobenzene	U	J4	0.0104	0.0178	1	06/27/2022 08:41	WG1885724
1,2,4-Trichlorobenzene	U		0.00627	0.0178	1	06/27/2022 08:41	WG1885724
1,1,1-Trichloroethane	U		0.00132	0.00356	1	06/27/2022 08:41	WG1885724
1,1,2-Trichloroethane	U		0.000851	0.00356	1	06/27/2022 08:41	WG1885724
Trichloroethene	U		0.000832	0.00143	1	06/27/2022 08:41	WG1885724
Trichlorofluoromethane	U		0.00118	0.00356	1	06/27/2022 08:41	WG1885724
1,2,3-Trichloropropane	U		0.00231	0.0178	1	06/27/2022 08:41	WG1885724
1,3,5-Trimethylbenzene	U		0.00285	0.00713	1	06/27/2022 08:41	WG1885724
Vinyl chloride	U		0.00165	0.00356	1	06/27/2022 08:41	WG1885724
(S) Toluene-d8	*103*			*75.0-131*		*06/27/2022 08:41*	WG1885724
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*06/27/2022 08:41*	WG1885724
(S) 1,2-Dichloroethane-d4	*97.5*			*70.0-130*		*06/27/2022 08:41*	WG1885724

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	84.1		1	06/24/2022 15:07	WG1884405

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		0.0403	0.119	1	06/27/2022 08:29	WG1885728
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*		*06/27/2022 08:29*	WG1885728

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000644	0.00138	1	06/27/2022 09:01	WG1885724
Toluene	U		0.00179	0.00689	1	06/27/2022 09:01	WG1885724
Ethylbenzene	U		0.00102	0.00345	1	06/27/2022 09:01	WG1885724
Total Xylenes	U		0.00121	0.00896	1	06/27/2022 09:01	WG1885724
Methyl tert-butyl ether	U		0.000482	0.00138	1	06/27/2022 09:01	WG1885724
1,2-Dichloroethane	U		0.000895	0.00345	1	06/27/2022 09:01	WG1885724
1,2-Dibromoethane	U		0.000893	0.00345	1	06/27/2022 09:01	WG1885724
Naphthalene	U		0.00673	0.0172	1	06/27/2022 09:01	WG1885724
1,2,4-Trimethylbenzene	U		0.00218	0.00689	1	06/27/2022 09:01	WG1885724
Acetone	U		0.0503	0.0689	1	06/27/2022 09:01	WG1885724
Acrylonitrile	U		0.00498	0.0172	1	06/27/2022 09:01	WG1885724
Bromobenzene	U		0.00124	0.0172	1	06/27/2022 09:01	WG1885724
Bromodichloromethane	U		0.000999	0.00345	1	06/27/2022 09:01	WG1885724
Bromoform	U		0.00161	0.0345	1	06/27/2022 09:01	WG1885724
Bromomethane	U	J3	0.00272	0.0172	1	06/27/2022 09:01	WG1885724
n-Butylbenzene	U		0.00724	0.0172	1	06/27/2022 09:01	WG1885724
sec-Butylbenzene	U		0.00397	0.0172	1	06/27/2022 09:01	WG1885724
tert-Butylbenzene	U		0.00269	0.00689	1	06/27/2022 09:01	WG1885724
Carbon tetrachloride	U		0.00124	0.00689	1	06/27/2022 09:01	WG1885724
Chlorobenzene	U		0.000289	0.00345	1	06/27/2022 09:01	WG1885724
Chlorodibromomethane	U		0.000844	0.00345	1	06/27/2022 09:01	WG1885724
Chloroethane	U	J3	0.00234	0.00689	1	06/27/2022 09:01	WG1885724
Chloroform	U		0.00142	0.00345	1	06/27/2022 09:01	WG1885724
Chloromethane	U		0.00600	0.0172	1	06/27/2022 09:01	WG1885724
2-Chlorotoluene	U		0.00119	0.00345	1	06/27/2022 09:01	WG1885724
4-Chlorotoluene	U		0.000620	0.00689	1	06/27/2022 09:01	WG1885724
1,2-Dibromo-3-Chloropropane	U		0.00538	0.0345	1	06/27/2022 09:01	WG1885724
Dibromomethane	U		0.00103	0.00689	1	06/27/2022 09:01	WG1885724
1,2-Dichlorobenzene	U		0.000586	0.00689	1	06/27/2022 09:01	WG1885724
1,3-Dichlorobenzene	U		0.000827	0.00689	1	06/27/2022 09:01	WG1885724
1,4-Dichlorobenzene	U		0.000965	0.00689	1	06/27/2022 09:01	WG1885724
Dichlorodifluoromethane	U		0.00222	0.00345	1	06/27/2022 09:01	WG1885724
1,1-Dichloroethane	U		0.000677	0.00345	1	06/27/2022 09:01	WG1885724
1,1-Dichloroethene	U		0.000835	0.00345	1	06/27/2022 09:01	WG1885724
cis-1,2-Dichloroethene	U		0.00101	0.00345	1	06/27/2022 09:01	WG1885724
trans-1,2-Dichloroethene	U		0.00143	0.00689	1	06/27/2022 09:01	WG1885724
1,2-Dichloropropane	U		0.00196	0.00689	1	06/27/2022 09:01	WG1885724
1,1-Dichloropropene	U		0.00112	0.00345	1	06/27/2022 09:01	WG1885724
1,3-Dichloropropane	U		0.000691	0.00689	1	06/27/2022 09:01	WG1885724
cis-1,3-Dichloropropene	U		0.00104	0.00345	1	06/27/2022 09:01	WG1885724
trans-1,3-Dichloropropene	U		0.00157	0.00689	1	06/27/2022 09:01	WG1885724
2,2-Dichloropropane	U		0.00190	0.00345	1	06/27/2022 09:01	WG1885724
Di-isopropyl ether	U		0.000565	0.00138	1	06/27/2022 09:01	WG1885724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00827	0.0345	1	06/27/2022 09:01	WG1885724
n-Hexane	U		0.00312	0.00689	1	06/27/2022 09:01	WG1885724
Isopropylbenzene	U		0.000586	0.00345	1	06/27/2022 09:01	WG1885724
p-Isopropyltoluene	U		0.00352	0.00689	1	06/27/2022 09:01	WG1885724
2-Butanone (MEK)	U		0.0875	0.138	1	06/27/2022 09:01	WG1885724
Methylene Chloride	0.0138	J	0.00915	0.0345	1	06/27/2022 09:01	WG1885724
4-Methyl-2-pentanone (MIBK)	U		0.00314	0.0345	1	06/27/2022 09:01	WG1885724
n-Propylbenzene	U		0.00131	0.00689	1	06/27/2022 09:01	WG1885724
Styrene	U		0.000316	0.0172	1	06/27/2022 09:01	WG1885724
1,1,1,2-Tetrachloroethane	U		0.00131	0.00345	1	06/27/2022 09:01	WG1885724
1,1,2,2-Tetrachloroethane	U		0.000958	0.00345	1	06/27/2022 09:01	WG1885724
Tetrachloroethene	U		0.00124	0.00345	1	06/27/2022 09:01	WG1885724
1,2,3-Trichlorobenzene	U	J4	0.0101	0.0172	1	06/27/2022 09:01	WG1885724
1,2,4-Trichlorobenzene	U		0.00607	0.0172	1	06/27/2022 09:01	WG1885724
1,1,1-Trichloroethane	U		0.00127	0.00345	1	06/27/2022 09:01	WG1885724
1,1,2-Trichloroethane	U		0.000823	0.00345	1	06/27/2022 09:01	WG1885724
Trichloroethene	U		0.000805	0.00138	1	06/27/2022 09:01	WG1885724
Trichlorofluoromethane	U		0.00114	0.00345	1	06/27/2022 09:01	WG1885724
1,2,3-Trichloropropane	U		0.00223	0.0172	1	06/27/2022 09:01	WG1885724
1,3,5-Trimethylbenzene	U		0.00276	0.00689	1	06/27/2022 09:01	WG1885724
Vinyl chloride	U		0.00160	0.00345	1	06/27/2022 09:01	WG1885724
(S) Toluene-d8	*116*			*75.0-131*		*06/27/2022 09:01*	WG1885724
(S) 4-Bromofluorobenzene	*109*			*67.0-138*		*06/27/2022 09:01*	WG1885724
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*06/27/2022 09:01*	WG1885724

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	79.2		1	06/24/2022 15:07	WG1884405

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	0.110	J	0.0428	0.126	1	06/27/2022 08:52	WG1885728
(S) a,a,a-Trifluorotoluene(FID)	*107*			*77.0-120*		*06/27/2022 08:52*	WG1885728

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000713	0.00153	1	06/27/2022 09:20	WG1885724
Toluene	U		0.00198	0.00763	1	06/27/2022 09:20	WG1885724
Ethylbenzene	U		0.00112	0.00381	1	06/27/2022 09:20	WG1885724
Total Xylenes	U		0.00134	0.00992	1	06/27/2022 09:20	WG1885724
Methyl tert-butyl ether	U		0.000534	0.00153	1	06/27/2022 09:20	WG1885724
1,2-Dichloroethane	U		0.000990	0.00381	1	06/27/2022 09:20	WG1885724
1,2-Dibromoethane	U		0.000989	0.00381	1	06/27/2022 09:20	WG1885724
Naphthalene	U		0.00745	0.0191	1	06/27/2022 09:20	WG1885724
1,2,4-Trimethylbenzene	U		0.00241	0.00763	1	06/27/2022 09:20	WG1885724
Acetone	U		0.0557	0.0763	1	06/27/2022 09:20	WG1885724
Acrylonitrile	U		0.00551	0.0191	1	06/27/2022 09:20	WG1885724
Bromobenzene	U		0.00137	0.0191	1	06/27/2022 09:20	WG1885724
Bromodichloromethane	U		0.00111	0.00381	1	06/27/2022 09:20	WG1885724
Bromoform	U		0.00179	0.0381	1	06/27/2022 09:20	WG1885724
Bromomethane	U	J3	0.00301	0.0191	1	06/27/2022 09:20	WG1885724
n-Butylbenzene	U		0.00801	0.0191	1	06/27/2022 09:20	WG1885724
sec-Butylbenzene	U		0.00439	0.0191	1	06/27/2022 09:20	WG1885724
tert-Butylbenzene	U		0.00298	0.00763	1	06/27/2022 09:20	WG1885724
Carbon tetrachloride	U		0.00137	0.00763	1	06/27/2022 09:20	WG1885724
Chlorobenzene	U		0.000320	0.00381	1	06/27/2022 09:20	WG1885724
Chlorodibromomethane	U		0.000934	0.00381	1	06/27/2022 09:20	WG1885724
Chloroethane	U	J3	0.00259	0.00763	1	06/27/2022 09:20	WG1885724
Chloroform	U		0.00157	0.00381	1	06/27/2022 09:20	WG1885724
Chloromethane	U		0.00664	0.0191	1	06/27/2022 09:20	WG1885724
2-Chlorotoluene	U		0.00132	0.00381	1	06/27/2022 09:20	WG1885724
4-Chlorotoluene	U		0.000687	0.00763	1	06/27/2022 09:20	WG1885724
1,2-Dibromo-3-Chloropropane	U		0.00595	0.0381	1	06/27/2022 09:20	WG1885724
Dibromomethane	U		0.00114	0.00763	1	06/27/2022 09:20	WG1885724
1,2-Dichlorobenzene	U		0.000649	0.00763	1	06/27/2022 09:20	WG1885724
1,3-Dichlorobenzene	U		0.000916	0.00763	1	06/27/2022 09:20	WG1885724
1,4-Dichlorobenzene	U		0.00107	0.00763	1	06/27/2022 09:20	WG1885724
Dichlorodifluoromethane	U		0.00246	0.00381	1	06/27/2022 09:20	WG1885724
1,1-Dichloroethane	U		0.000749	0.00381	1	06/27/2022 09:20	WG1885724
1,1-Dichloroethene	U		0.000925	0.00381	1	06/27/2022 09:20	WG1885724
cis-1,2-Dichloroethene	U		0.00112	0.00381	1	06/27/2022 09:20	WG1885724
trans-1,2-Dichloroethene	U		0.00159	0.00763	1	06/27/2022 09:20	WG1885724
1,2-Dichloropropane	U		0.00217	0.00763	1	06/27/2022 09:20	WG1885724
1,1-Dichloropropene	U		0.00123	0.00381	1	06/27/2022 09:20	WG1885724
1,3-Dichloropropane	U		0.000765	0.00763	1	06/27/2022 09:20	WG1885724
cis-1,3-Dichloropropene	U		0.00116	0.00381	1	06/27/2022 09:20	WG1885724
trans-1,3-Dichloropropene	U		0.00174	0.00763	1	06/27/2022 09:20	WG1885724
2,2-Dichloropropane	U		0.00211	0.00381	1	06/27/2022 09:20	WG1885724
Di-isopropyl ether	U		0.000626	0.00153	1	06/27/2022 09:20	WG1885724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00916	0.0381	1	06/27/2022 09:20	WG1885724
n-Hexane	U		0.00345	0.00763	1	06/27/2022 09:20	WG1885724
Isopropylbenzene	U		0.000649	0.00381	1	06/27/2022 09:20	WG1885724
p-Isopropyltoluene	U		0.00389	0.00763	1	06/27/2022 09:20	WG1885724
2-Butanone (MEK)	U		0.0969	0.153	1	06/27/2022 09:20	WG1885724
Methylene Chloride	0.0148	J	0.0101	0.0381	1	06/27/2022 09:20	WG1885724
4-Methyl-2-pentanone (MIBK)	U		0.00348	0.0381	1	06/27/2022 09:20	WG1885724
n-Propylbenzene	U		0.00145	0.00763	1	06/27/2022 09:20	WG1885724
Styrene	U		0.000349	0.0191	1	06/27/2022 09:20	WG1885724
1,1,1,2-Tetrachloroethane	U		0.00145	0.00381	1	06/27/2022 09:20	WG1885724
1,1,2,2-Tetrachloroethane	U		0.00106	0.00381	1	06/27/2022 09:20	WG1885724
Tetrachloroethene	U		0.00137	0.00381	1	06/27/2022 09:20	WG1885724
1,2,3-Trichlorobenzene	U	J4	0.0112	0.0191	1	06/27/2022 09:20	WG1885724
1,2,4-Trichlorobenzene	U		0.00671	0.0191	1	06/27/2022 09:20	WG1885724
1,1,1-Trichloroethane	U		0.00141	0.00381	1	06/27/2022 09:20	WG1885724
1,1,2-Trichloroethane	U		0.000911	0.00381	1	06/27/2022 09:20	WG1885724
Trichloroethene	U		0.000891	0.00153	1	06/27/2022 09:20	WG1885724
Trichlorofluoromethane	U		0.00126	0.00381	1	06/27/2022 09:20	WG1885724
1,2,3-Trichloropropane	U		0.00247	0.0191	1	06/27/2022 09:20	WG1885724
1,3,5-Trimethylbenzene	U		0.00305	0.00763	1	06/27/2022 09:20	WG1885724
Vinyl chloride	U		0.00177	0.00381	1	06/27/2022 09:20	WG1885724
(S) Toluene-d8	*100*			*75.0-131*		*06/27/2022 09:20*	WG1885724
(S) 4-Bromofluorobenzene	*93.8*			*67.0-138*		*06/27/2022 09:20*	WG1885724
(S) 1,2-Dichloroethane-d4	*99.8*			*70.0-130*		*06/27/2022 09:20*	WG1885724

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	81.7		1	06/24/2022 15:07	WG1884405

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	0.448		0.0415	0.122	1	06/27/2022 09:15	WG1885728
(S) a,a,a-Trifluorotoluene(FID)	*105*			*77.0-120*		*06/27/2022 09:15*	WG1885728

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000677	0.00145	1	06/27/2022 09:39	WG1885724
Toluene	U		0.00188	0.00725	1	06/27/2022 09:39	WG1885724
Ethylbenzene	U		0.00107	0.00362	1	06/27/2022 09:39	WG1885724
Total Xylenes	U		0.00128	0.00942	1	06/27/2022 09:39	WG1885724
Methyl tert-butyl ether	U		0.000507	0.00145	1	06/27/2022 09:39	WG1885724
1,2-Dichloroethane	U		0.000941	0.00362	1	06/27/2022 09:39	WG1885724
1,2-Dibromoethane	U		0.000939	0.00362	1	06/27/2022 09:39	WG1885724
Naphthalene	U		0.00708	0.0181	1	06/27/2022 09:39	WG1885724
1,2,4-Trimethylbenzene	U		0.00229	0.00725	1	06/27/2022 09:39	WG1885724
Acetone	U		0.0529	0.0725	1	06/27/2022 09:39	WG1885724
Acrylonitrile	U		0.00523	0.0181	1	06/27/2022 09:39	WG1885724
Bromobenzene	U		0.00130	0.0181	1	06/27/2022 09:39	WG1885724
Bromodichloromethane	U		0.00105	0.00362	1	06/27/2022 09:39	WG1885724
Bromoform	U		0.00170	0.0362	1	06/27/2022 09:39	WG1885724
Bromomethane	U	J3	0.00286	0.0181	1	06/27/2022 09:39	WG1885724
n-Butylbenzene	U		0.00761	0.0181	1	06/27/2022 09:39	WG1885724
sec-Butylbenzene	U		0.00418	0.0181	1	06/27/2022 09:39	WG1885724
tert-Butylbenzene	U		0.00283	0.00725	1	06/27/2022 09:39	WG1885724
Carbon tetrachloride	U		0.00130	0.00725	1	06/27/2022 09:39	WG1885724
Chlorobenzene	U		0.000304	0.00362	1	06/27/2022 09:39	WG1885724
Chlorodibromomethane	U		0.000887	0.00362	1	06/27/2022 09:39	WG1885724
Chloroethane	U	J3	0.00246	0.00725	1	06/27/2022 09:39	WG1885724
Chloroform	U		0.00149	0.00362	1	06/27/2022 09:39	WG1885724
Chloromethane	U		0.00631	0.0181	1	06/27/2022 09:39	WG1885724
2-Chlorotoluene	U		0.00125	0.00362	1	06/27/2022 09:39	WG1885724
4-Chlorotoluene	U		0.000652	0.00725	1	06/27/2022 09:39	WG1885724
1,2-Dibromo-3-Chloropropane	U		0.00565	0.0362	1	06/27/2022 09:39	WG1885724
Dibromomethane	U		0.00109	0.00725	1	06/27/2022 09:39	WG1885724
1,2-Dichlorobenzene	U		0.000616	0.00725	1	06/27/2022 09:39	WG1885724
1,3-Dichlorobenzene	U		0.000870	0.00725	1	06/27/2022 09:39	WG1885724
1,4-Dichlorobenzene	U		0.00101	0.00725	1	06/27/2022 09:39	WG1885724
Dichlorodifluoromethane	U		0.00233	0.00362	1	06/27/2022 09:39	WG1885724
1,1-Dichloroethane	U		0.000712	0.00362	1	06/27/2022 09:39	WG1885724
1,1-Dichloroethene	U		0.000879	0.00362	1	06/27/2022 09:39	WG1885724
cis-1,2-Dichloroethene	U		0.00106	0.00362	1	06/27/2022 09:39	WG1885724
trans-1,2-Dichloroethene	U		0.00151	0.00725	1	06/27/2022 09:39	WG1885724
1,2-Dichloropropane	U		0.00206	0.00725	1	06/27/2022 09:39	WG1885724
1,1-Dichloropropene	U		0.00117	0.00362	1	06/27/2022 09:39	WG1885724
1,3-Dichloropropane	U		0.000726	0.00725	1	06/27/2022 09:39	WG1885724
cis-1,3-Dichloropropene	U		0.00110	0.00362	1	06/27/2022 09:39	WG1885724
trans-1,3-Dichloropropene	U		0.00165	0.00725	1	06/27/2022 09:39	WG1885724
2,2-Dichloropropane	U		0.00200	0.00362	1	06/27/2022 09:39	WG1885724
Di-isopropyl ether	U		0.000594	0.00145	1	06/27/2022 09:39	WG1885724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00870	0.0362	1	06/27/2022 09:39	WG1885724
n-Hexane	U		0.00328	0.00725	1	06/27/2022 09:39	WG1885724
Isopropylbenzene	U		0.000616	0.00362	1	06/27/2022 09:39	WG1885724
p-Isopropyltoluene	U		0.00370	0.00725	1	06/27/2022 09:39	WG1885724
2-Butanone (MEK)	U		0.0921	0.145	1	06/27/2022 09:39	WG1885724
Methylene Chloride	0.0128	J	0.00963	0.0362	1	06/27/2022 09:39	WG1885724
4-Methyl-2-pentanone (MIBK)	U		0.00331	0.0362	1	06/27/2022 09:39	WG1885724
n-Propylbenzene	U		0.00138	0.00725	1	06/27/2022 09:39	WG1885724
Styrene	U		0.000332	0.0181	1	06/27/2022 09:39	WG1885724
1,1,1,2-Tetrachloroethane	U		0.00137	0.00362	1	06/27/2022 09:39	WG1885724
1,1,2,2-Tetrachloroethane	U		0.00101	0.00362	1	06/27/2022 09:39	WG1885724
Tetrachloroethene	U		0.00130	0.00362	1	06/27/2022 09:39	WG1885724
1,2,3-Trichlorobenzene	U	J4	0.0106	0.0181	1	06/27/2022 09:39	WG1885724
1,2,4-Trichlorobenzene	U		0.00638	0.0181	1	06/27/2022 09:39	WG1885724
1,1,1-Trichloroethane	U		0.00134	0.00362	1	06/27/2022 09:39	WG1885724
1,1,2-Trichloroethane	U		0.000866	0.00362	1	06/27/2022 09:39	WG1885724
Trichloroethene	U		0.000847	0.00145	1	06/27/2022 09:39	WG1885724
Trichlorofluoromethane	U		0.00120	0.00362	1	06/27/2022 09:39	WG1885724
1,2,3-Trichloropropane	U		0.00235	0.0181	1	06/27/2022 09:39	WG1885724
1,3,5-Trimethylbenzene	U		0.00290	0.00725	1	06/27/2022 09:39	WG1885724
Vinyl chloride	U		0.00168	0.00362	1	06/27/2022 09:39	WG1885724
(S) Toluene-d8	*100*			*75.0-131*		*06/27/2022 09:39*	WG1885724
(S) 4-Bromofluorobenzene	*113*			*67.0-138*		*06/27/2022 09:39*	WG1885724
(S) 1,2-Dichloroethane-d4	*115*			*70.0-130*		*06/27/2022 09:39*	WG1885724

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.3		1	06/24/2022 15:07	WG1884405

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	0.304		0.0380	0.112	1	06/27/2022 09:38	WG1885728
(S) a,a,a-Trifluorotoluene(FID)	*104*			*77.0-120*		*06/27/2022 09:38*	WG1885728

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzene	U		0.000579	0.00124	1	06/27/2022 09:59	WG1885724
Toluene	U		0.00161	0.00620	1	06/27/2022 09:59	WG1885724
Ethylbenzene	U		0.000914	0.00310	1	06/27/2022 09:59	WG1885724
Total Xylenes	U		0.00109	0.00806	1	06/27/2022 09:59	WG1885724
Methyl tert-butyl ether	U		0.000434	0.00124	1	06/27/2022 09:59	WG1885724
1,2-Dichloroethane	U		0.000805	0.00310	1	06/27/2022 09:59	WG1885724
1,2-Dibromoethane	U		0.000804	0.00310	1	06/27/2022 09:59	WG1885724
Naphthalene	U		0.00605	0.0155	1	06/27/2022 09:59	WG1885724
1,2,4-Trimethylbenzene	U		0.00196	0.00620	1	06/27/2022 09:59	WG1885724
Acetone	U		0.0453	0.0620	1	06/27/2022 09:59	WG1885724
Acrylonitrile	U		0.00448	0.0155	1	06/27/2022 09:59	WG1885724
Bromobenzene	U		0.00112	0.0155	1	06/27/2022 09:59	WG1885724
Bromodichloromethane	U		0.000899	0.00310	1	06/27/2022 09:59	WG1885724
Bromoform	U		0.00145	0.0310	1	06/27/2022 09:59	WG1885724
Bromomethane	U	J3	0.00244	0.0155	1	06/27/2022 09:59	WG1885724
n-Butylbenzene	U		0.00651	0.0155	1	06/27/2022 09:59	WG1885724
sec-Butylbenzene	U		0.00357	0.0155	1	06/27/2022 09:59	WG1885724
tert-Butylbenzene	U		0.00242	0.00620	1	06/27/2022 09:59	WG1885724
Carbon tetrachloride	U		0.00111	0.00620	1	06/27/2022 09:59	WG1885724
Chlorobenzene	U		0.000261	0.00310	1	06/27/2022 09:59	WG1885724
Chlorodibromomethane	U		0.000759	0.00310	1	06/27/2022 09:59	WG1885724
Chloroethane	U	J3	0.00211	0.00620	1	06/27/2022 09:59	WG1885724
Chloroform	U		0.00128	0.00310	1	06/27/2022 09:59	WG1885724
Chloromethane	U		0.00540	0.0155	1	06/27/2022 09:59	WG1885724
2-Chlorotoluene	U		0.00107	0.00310	1	06/27/2022 09:59	WG1885724
4-Chlorotoluene	U		0.000558	0.00620	1	06/27/2022 09:59	WG1885724
1,2-Dibromo-3-Chloropropane	U		0.00484	0.0310	1	06/27/2022 09:59	WG1885724
Dibromomethane	U		0.000930	0.00620	1	06/27/2022 09:59	WG1885724
1,2-Dichlorobenzene	U		0.000527	0.00620	1	06/27/2022 09:59	WG1885724
1,3-Dichlorobenzene	U		0.000744	0.00620	1	06/27/2022 09:59	WG1885724
1,4-Dichlorobenzene	U		0.000868	0.00620	1	06/27/2022 09:59	WG1885724
Dichlorodifluoromethane	U		0.00200	0.00310	1	06/27/2022 09:59	WG1885724
1,1-Dichloroethane	U		0.000609	0.00310	1	06/27/2022 09:59	WG1885724
1,1-Dichloroethene	U		0.000752	0.00310	1	06/27/2022 09:59	WG1885724
cis-1,2-Dichloroethene	U		0.000911	0.00310	1	06/27/2022 09:59	WG1885724
trans-1,2-Dichloroethene	U		0.00129	0.00620	1	06/27/2022 09:59	WG1885724
1,2-Dichloropropane	U		0.00176	0.00620	1	06/27/2022 09:59	WG1885724
1,1-Dichloropropene	U		0.00100	0.00310	1	06/27/2022 09:59	WG1885724
1,3-Dichloropropane	U		0.000622	0.00620	1	06/27/2022 09:59	WG1885724
cis-1,3-Dichloropropene	U		0.000939	0.00310	1	06/27/2022 09:59	WG1885724
trans-1,3-Dichloropropene	U		0.00141	0.00620	1	06/27/2022 09:59	WG1885724
2,2-Dichloropropane	U		0.00171	0.00310	1	06/27/2022 09:59	WG1885724
Di-isopropyl ether	U		0.000509	0.00124	1	06/27/2022 09:59	WG1885724

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Hexachloro-1,3-butadiene	U		0.00744	0.0310	1	06/27/2022 09:59	WG1885724
n-Hexane	U		0.00280	0.00620	1	06/27/2022 09:59	WG1885724
Isopropylbenzene	U		0.000527	0.00310	1	06/27/2022 09:59	WG1885724
p-Isopropyltoluene	U		0.00316	0.00620	1	06/27/2022 09:59	WG1885724
2-Butanone (MEK)	U		0.0788	0.124	1	06/27/2022 09:59	WG1885724
Methylene Chloride	0.0101	J	0.00824	0.0310	1	06/27/2022 09:59	WG1885724
4-Methyl-2-pentanone (MIBK)	U		0.00283	0.0310	1	06/27/2022 09:59	WG1885724
n-Propylbenzene	U		0.00118	0.00620	1	06/27/2022 09:59	WG1885724
Styrene	U		0.000284	0.0155	1	06/27/2022 09:59	WG1885724
1,1,1,2-Tetrachloroethane	U		0.00118	0.00310	1	06/27/2022 09:59	WG1885724
1,1,2,2-Tetrachloroethane	U		0.000862	0.00310	1	06/27/2022 09:59	WG1885724
Tetrachloroethene	U		0.00111	0.00310	1	06/27/2022 09:59	WG1885724
1,2,3-Trichlorobenzene	U	J4	0.00909	0.0155	1	06/27/2022 09:59	WG1885724
1,2,4-Trichlorobenzene	U		0.00546	0.0155	1	06/27/2022 09:59	WG1885724
1,1,1-Trichloroethane	U		0.00115	0.00310	1	06/27/2022 09:59	WG1885724
1,1,2-Trichloroethane	U		0.000741	0.00310	1	06/27/2022 09:59	WG1885724
Trichloroethene	U		0.000725	0.00124	1	06/27/2022 09:59	WG1885724
Trichlorofluoromethane	U		0.00103	0.00310	1	06/27/2022 09:59	WG1885724
1,2,3-Trichloropropane	U		0.00201	0.0155	1	06/27/2022 09:59	WG1885724
1,3,5-Trimethylbenzene	U		0.00248	0.00620	1	06/27/2022 09:59	WG1885724
Vinyl chloride	U		0.00144	0.00310	1	06/27/2022 09:59	WG1885724
(S) Toluene-d8	*102*			*75.0-131*		*06/27/2022 09:59*	WG1885724
(S) 4-Bromofluorobenzene	*96.1*			*67.0-138*		*06/27/2022 09:59*	WG1885724
(S) 1,2-Dichloroethane-d4	*89.9*			*70.0-130*		*06/27/2022 09:59*	WG1885724

QUALITY CONTROL SUMMARY

L1507647-01,02,03,04,05

Method Blank (MB)

(MB) R3807388-1 06/24/22 15:07

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1507647-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1507647-05 06/24/22 15:07 • (DUP) R3807388-3 06/24/22 15:07

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	89.3	90.6	1	1.51		10

Laboratory Control Sample (LCS)

(LCS) R3807388-2 06/24/22 15:07

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3808896-3 06/27/22 05:49

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*108*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3808896-2 06/27/22 04:39

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	5.48	99.6	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*108*	*77.0-120*	

Method Blank (MB)

(MB) R3808397-3 06/27/22 07:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Benzene	U		0.000467	0.00100
Toluene	U		0.00130	0.00500
Ethylbenzene	U		0.000737	0.00250
Xylenes, Total	U		0.000880	0.00650
Methyl tert-butyl ether	U		0.000350	0.00100
1,2-Dichloroethane	U		0.000649	0.00250
1,2-Dibromoethane	U		0.000648	0.00250
Naphthalene	U		0.00488	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250

Method Blank (MB)

(MB) R3808397-3 06/27/22 07:03

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
(S) Toluene-d8	*115*			*75.0-131*
(S) 4-Bromofluorobenzene	*112*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3808397-1 06/27/22 05:47 • (LCSD) R3808397-2 06/27/22 06:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.125	0.116	0.122	92.8	97.6	70.0-123			5.04	20
Toluene	0.125	0.112	0.108	89.6	86.4	75.0-121			3.64	20
Ethylbenzene	0.125	0.112	0.111	89.6	88.8	74.0-126			0.897	20
Xylenes, Total	0.375	0.372	0.334	99.2	89.1	72.0-127			10.8	20
Methyl tert-butyl ether	0.125	0.129	0.147	103	118	66.0-132			13.0	20
1,2-Dichloroethane	0.125	0.118	0.138	94.4	110	65.0-131			15.6	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3808397-1 06/27/22 05:47 • (LCSD) R3808397-2 06/27/22 06:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
1,2-Dibromoethane	0.125	0.125	0.123	100	98.4	74.0-128			1.61	20
Naphthalene	0.125	0.0902	0.0828	72.2	66.2	59.0-130			8.55	20
1,2,4-Trimethylbenzene	0.125	0.100	0.103	80.0	82.4	70.0-126			2.96	20
Acetone	0.625	0.720	0.932	115	149	10.0-160			25.7	31
Acrylonitrile	0.625	0.707	0.832	113	133	45.0-153			16.2	22
Bromobenzene	0.125	0.110	0.119	88.0	95.2	73.0-121			7.86	20
Bromodichloromethane	0.125	0.121	0.129	96.8	103	73.0-121			6.40	20
Bromoform	0.125	0.147	0.130	118	104	64.0-132			12.3	20
Bromomethane	0.125	0.137	0.0950	110	76.0	56.0-147		J3	36.2	20
n-Butylbenzene	0.125	0.102	0.105	81.6	84.0	68.0-135			2.90	20
sec-Butylbenzene	0.125	0.0968	0.0976	77.4	78.1	74.0-130			0.823	20
tert-Butylbenzene	0.125	0.0964	0.0980	77.1	78.4	75.0-127			1.65	20
Carbon tetrachloride	0.125	0.119	0.131	95.2	105	66.0-128			9.60	20
Chlorobenzene	0.125	0.119	0.115	95.2	92.0	76.0-128			3.42	20
Chlorodibromomethane	0.125	0.124	0.121	99.2	96.8	74.0-127			2.45	20
Chloroethane	0.125	0.118	0.0862	94.4	69.0	61.0-134		J3	31.1	20
Chloroform	0.125	0.120	0.128	96.0	102	72.0-123			6.45	20
Chloromethane	0.125	0.113	0.0984	90.4	78.7	51.0-138			13.8	20
2-Chlorotoluene	0.125	0.110	0.111	88.0	88.8	75.0-124			0.905	20
4-Chlorotoluene	0.125	0.0948	0.0989	75.8	79.1	75.0-124			4.23	20
1,2-Dibromo-3-Chloropropane	0.125	0.100	0.102	80.0	81.6	59.0-130			1.98	20
Dibromomethane	0.125	0.130	0.141	104	113	75.0-122			8.12	20
1,2-Dichlorobenzene	0.125	0.110	0.119	88.0	95.2	76.0-124			7.86	20
1,3-Dichlorobenzene	0.125	0.106	0.110	84.8	88.0	76.0-125			3.70	20
1,4-Dichlorobenzene	0.125	0.111	0.116	88.8	92.8	77.0-121			4.41	20
Dichlorodifluoromethane	0.125	0.0976	0.0862	78.1	69.0	43.0-156			12.4	20
1,1-Dichloroethane	0.125	0.133	0.143	106	114	70.0-127			7.25	20
1,1-Dichloroethene	0.125	0.117	0.123	93.6	98.4	65.0-131			5.00	20
cis-1,2-Dichloroethene	0.125	0.127	0.137	102	110	73.0-125			7.58	20
trans-1,2-Dichloroethene	0.125	0.120	0.123	96.0	98.4	71.0-125			2.47	20
1,2-Dichloropropane	0.125	0.129	0.138	103	110	74.0-125			6.74	20
1,1-Dichloropropene	0.125	0.116	0.124	92.8	99.2	73.0-125			6.67	20
1,3-Dichloropropane	0.125	0.122	0.120	97.6	96.0	80.0-125			1.65	20
cis-1,3-Dichloropropene	0.125	0.126	0.131	101	105	76.0-127			3.89	20
trans-1,3-Dichloropropene	0.125	0.124	0.123	99.2	98.4	73.0-127			0.810	20
2,2-Dichloropropane	0.125	0.121	0.138	96.8	110	59.0-135			13.1	20
Di-isopropyl ether	0.125	0.128	0.147	102	118	60.0-136			13.8	20
Hexachloro-1,3-butadiene	0.125	0.0942	0.0923	75.4	73.8	57.0-150			2.04	20
n-Hexane	0.125	0.112	0.126	89.6	101	55.0-137			11.8	20
Isopropylbenzene	0.125	0.129	0.107	103	85.6	72.0-127			18.6	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3808397-1 06/27/22 05:47 • (LCSD) R3808397-2 06/27/22 06:06

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
p-Isopropyltoluene	0.125	0.100	0.105	80.0	84.0	72.0-133			4.88	20
2-Butanone (MEK)	0.625	0.731	0.833	117	133	30.0-160			13.0	24
Methylene Chloride	0.125	0.129	0.133	103	106	68.0-123			3.05	20
4-Methyl-2-pentanone (MIBK)	0.625	0.613	0.672	98.1	108	56.0-143			9.18	20
n-Propylbenzene	0.125	0.0988	0.103	79.0	82.4	74.0-126			4.16	20
Styrene	0.125	0.124	0.104	99.2	83.2	72.0-127			17.5	20
1,1,1,2-Tetrachloroethane	0.125	0.123	0.127	98.4	102	74.0-129			3.20	20
1,1,2,2-Tetrachloroethane	0.125	0.110	0.117	88.0	93.6	68.0-128			6.17	20
Tetrachloroethene	0.125	0.118	0.111	94.4	88.8	70.0-136			6.11	20
1,2,3-Trichlorobenzene	0.125	0.0611	0.0659	48.9	52.7	59.0-139	J4	J4	7.56	20
1,2,4-Trichlorobenzene	0.125	0.0838	0.0875	67.0	70.0	62.0-137			4.32	20
1,1,1-Trichloroethane	0.125	0.117	0.129	93.6	103	69.0-126			9.76	20
1,1,2-Trichloroethane	0.125	0.122	0.121	97.6	96.8	78.0-123			0.823	20
Trichloroethene	0.125	0.119	0.123	95.2	98.4	76.0-126			3.31	20
Trichlorofluoromethane	0.125	0.103	0.0887	82.4	71.0	61.0-142			14.9	20
1,2,3-Trichloropropane	0.125	0.122	0.127	97.6	102	67.0-129			4.02	20
1,3,5-Trimethylbenzene	0.125	0.100	0.0989	80.0	79.1	73.0-127			1.11	20
Vinyl chloride	0.125	0.103	0.0927	82.4	74.2	63.0-134			10.5	20
(S) Toluene-d8				*101*	*94.4*	*75.0-131*				
(S) 4-Bromofluorobenzene				*122*	*86.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*114*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Billing Information:
Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
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Report to: Valerie Weir

Email To: vweir @partnersenv.com

Project Description: 1810 Woodlawn Ave. LST

City/State Collected: Euclid OH

Phone: 800-763-1363
Fax:

Client Project # 896.120

Lab Project #

L# L507447

E180

Collected by (print): Jeremy Kendle

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Standard

Accthum: PARENVOH
Template:
Prelogin:
TSR: Heather Wagner
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	OH Bustr VOCs	TPH C6-C12								Remarks	Sample # (lab only)
S-1	Grab	SS	2-4	6/21/22	10:45	1	X	X									-01
S-2	↓	↓	4-6	↓	10:45	1	X	X									-02
SP-2	↓	↓	/	↓	10:25	1	X	X									-03
SP-4	↓	↓	/	↓	10:30	1	X	X									-04
SP-6	↓	↓	/	↓	10:30	1	X	X									-05

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: UPS FedEx Courier

Tracking # 5349 7812 7595

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓ N
COC Signed/Accurate: ✓ N
Bottles arrive intact: ✓ N
Correct bottles used: ✓ N
Sufficient volume sent: ✓ N
If Applicable:
VOA Zero Headspace: Y N
Preservation Correct/Checked: ✓ N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	
[signature]	6/21/22	1534	[signature]		
Relinquished by: (Signature) PNCOH	Date: 21JUN22	Time: 1548	Received by: (Signature) FEDEX	Temp: Dry °C 1.4 to 1.9	Bottles Received: 5
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 06/22/22	Time: 09:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

APPENDIX D
CHAIN OF CUSTODY

Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Billing Information:
Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page ___ of ___

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Valerie Weir

Email To: vweir @partnersenv.com

Project Description: 1810 Woodlawn Ave. LST

City/State Collected: Euclid OH

Phone: 800-763-1363
Fax:

Client Project # 896.120

Lab Project #

L# L507447

E180

Collected by (print): Jeremy Kendle

Site/Facility ID #

P.O. #

Collected by (signature):

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed: Standard

Accthum: PARENVOH
Template:
Prelogin:
TSR: Heather Wagner
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	OH Bustr VOCs	TPH C6-C12								Remarks	Sample # (lab only)
S-1	Grab	SS	2-4	6/21/22	10:45	1	X	X									-01
S-2	↓	↓	4-6	↓	10:45	1	X	X									-02
SP-2	↓	↓	/	↓	10:25	1	X	X									-03
SP-4	↓	↓	/	↓	10:30	1	X	X									-04
SP-6	↓	↓	/	↓	10:30	1	X	X									-05

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: UPS FedEx Courier

Tracking # 5349 7812 7595

Sample Receipt Checklist
COC Seal Present/Intact: NP ✓ N
COC Signed/Accurate: ✓ N
Bottles arrive intact: ✓ N
Correct bottles used: ✓ N
Sufficient volume sent: ✓ N
If Applicable:
VOA Zero Headspace: Y N
Preservation Correct/Checked: ✓ N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	
[signature]	6/21/22	1534	[signature]		
Relinquished by: (Signature) PNCOH	Date: 21JUN22	Time: 1548	Received by: (Signature) FEDEX	Temp: Dry °C 1.4 to 1.9	Bottles Received: 5
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature) [signature]	Date: 06/22/22	Time: 09:00

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

APPENDIX E
ACCREDITED LABORATORY DOCUMENTATION

Ohio Environmental Protection Agency

Division of Environmental Response and Revitalization
Voluntary Action Program

Under the authority of Ohio Revised Code Section 3746.04(B)(6) and Ohio Administrative Code Rule 3745-300-04

Certifies

Environmental Science Corporation
12065 Lebanon Road
Mt. Juliet, Tennessee 37122

as a

Certified Laboratory

(Number CL0069)

for the following analytes, parameter groups, and methods:

Iron/6010B	Aluminum/6010B	Phenols/9066*	Chlorinated Herbicides/8151A
Manganese/6010B	Antimony/6010B, 6020	Arsenic/6010B, 6020	n-Hexane/8260B**, 8260A
Nickel/6010B, 6020	Barium/6010B	Selenium/6010B	Volatile Organic Compounds/8260B**, TO15, 8260A
Silver/6010B, 6020	Beryllium/6010B	Lead/6010B, 6020	Semi-Volatile Organic Compounds/8270C
Vanadium/6010B	Cadmium/6010B, 6020	Thallium/6010B, 6020	Organochlorine Pesticides/8081A
Zinc/6010B, 6020	Chromium/6010B, 6020	Mercury/7470A, 7471A	Polychlorinated Biphenyls/8082
Bromide/300.0	Cobalt/6010B	Cyanide, Total/9012B	1,2-Dibromo-3-chloropropane & 1,2-Dibromoethane/8011*
Chloride/300.0	Nitrate/300.0	Hexavalent Chromium/7196A	Total Petroleum Hydrocarbons, Light Distillates/TO15, 8015B**, 8260B**, 8260A
Phosphorus/365.2*	Sulfate/300.0	Copper/6010B, 6020	Total Petroleum Hydrocarbons, Middle & Heavy Distillates/8015B

*water only

**See "Scope" section on the back of this certificate for restrictions

April 30, 2021
Date of Certification

Director, Ohio Environmental Protection Agency

April 30, 2024
Date of Expiration

Lisa Shook
Manager, Voluntary Action Program

SCOPE, LIMITATION, OBLIGATIONS AND RESPONSIBILITIES OF CERTIFICATION ON REVERSE SIDE (Certificate 1 of 2)

Scope. This certificate applies only to the Ohio EPA Voluntary Action Program. The certified laboratory identified herein is authorized to perform analyses in support of a voluntary action for the analytes, parameter groups, and methods which are identified on the face of this certificate in order to produce certified data, so long as this certificate remains effective. The laboratory may produce certified data when it performed the analyses consistent with the standard operating procedures and quality assurance program plan, as revised, or as revised following the review process required by OAC rule 3745-300-04(G). For parameter groups, this certificate authorizes analysis of only those compounds listed in the methods identified.

**This certificate authorizes the laboratory to perform analyses for Total Petroleum Hydrocarbons (Light Distillates) and Volatile Organic Compounds on air and soil gas, as well as, soil and water media. This certification is conditioned on the laboratory performing the analyses in accordance with the identified methods and the laboratory's standard operating procedures approved for such analyses.

Limitation. This certificate does not apply to any other Ohio EPA program, or federal laboratory certification or accreditation program, nor does it serve any purpose other than that described in the "Scope" section. This certificate does not authorize for the analysis of compounds which may meet a general criteria or description provided for in such methods, but are not listed. This certificate is subject to renewal under OAC rule 3745-300-04.

Obligations. As a condition of certification, the certified laboratory accepts all obligations and responsibilities of a certified laboratory in the Voluntary Action Program, as set forth in ORC chapter 3746 and OAC chapter 3745-300, including compliance with the standards of performance and conduct for maintaining certification under OAC rule 3745-300-04(H). The certified laboratory must display the original certificate in a prominent location on its premises.

Revocation or Suspension. This certificate is subject to suspension or revocation in accordance with OAC rule 3745-300-04(O). The authorization provided by this certificate ceases upon the effective date of the suspension or revocation.

This certificate is the property of Ohio EPA and must be surrendered to Ohio EPA upon the revocation or suspension of the laboratory's certification.

Ohio Environmental Protection Agency

Division of Environmental Response and Revitalization
Voluntary Action Program

Under the authority of Ohio Revised Code Section 3746.04(B)(6) and Ohio Administrative Code Rule 3745-300-04

Certifies

Environmental Science Corporation
12065 Lebanon Road
Mt. Juliet, Tennessee 37122

as a

Certified Laboratory

(Number CL0069)

for the following analytes, parameter groups, and methods:

Dibromochloromethane/ TO15	1,3-Dichlorobenzene/TO15	1,1-Dichloroethene/TO15	Cis-1,2-Dichloroethene/TO15
Trans-1,2-Dichloroethane/TO15	Cis-1,3-Dichloropropene/TO15	Trans-1,3-Dichloropropene/TO15	1,2,4-Trimethylbenzene/TO15
Trichlorofluoromethane/TO15	Dichlorodifluoromethane/TO15	Bromodichloromethane/TO15	Naphthalene/TO15
Propene/TO15, 8260B**, 8260A	Tetrahydrofuran/TO15, 8260***	2,2,4-Trimethylpentane/TO15, 8260B**, 8260A	4-Methyl-2-pentanone/TO15
1,3,5-Trimethylbenzene/TO15	Cyclohexane/TO15, 8260B***	1,2-Dichlorobenzene/TO15	Cyclohexanone/8260A, 8260B
Acetone/TO15	Nitrite/300.0		
Phosphate/300.0	Fluoride/300.0		

*soil only

** or *** See "Scope" section on the back of this certificate for restrictions

April 30, 2021
Date of Certification

April 30, 2024
Date of Expiration

Director, Ohio Environmental Protection Agency

Lisa Shook
Manager, Voluntary Action Program

SCOPE, LIMITATION, OBLIGATIONS AND RESPONSIBILITIES OF CERTIFICATION ON REVERSE SIDE (Certificate 2 of 2)

Scope. This certificate applies only to the Ohio EPA Voluntary Action Program. The certified laboratory identified herein is authorized to perform analyses in support of a voluntary action for the analytes, parameter groups, and methods which are identified on the face of this certificate in order to produce certified data, so long as this certificate remains effective. The laboratory may produce certified data when it performed the analyses consistent with the standard operating procedures and quality assurance program plan, as required, or as revised following the review process required by OAC rule 3745-300-04(G). For parameter groups, this certificate authorizes analysis of only those compounds listed in the methods identified.

**This certificate authorizes the laboratory to perform analyses for Volatile Organic Compounds on air and soil gas, as well as, soil and water media. This certification is conditioned on the laboratory performing the analyses in accordance with the identified methods and the laboratory's standard operating procedures approved for such analyses.

***This certificate authorizes the laboratory to perform analyses for Volatile Organic Compounds on air and soil gas media. This certification is conditioned on the laboratory performing the analysis in accordance with the identified method and the laboratory's SOPs approved for such analysis.

Limitation. This certificate does not apply to any other Ohio EPA program, or federal laboratory certification or accreditation program, nor does it serve any purpose other than that described in the "Scope" section. This certificate does not authorize for the analysis of compounds which may meet a general criteria or description provided for in such methods, but are not listed. This certificate is subject to renewal under OAC rule 3745-300-04.

Obligations. As a condition of certification, the certified laboratory accepts all obligations and responsibilities of a certified laboratory in the Voluntary Action Program, as set forth in ORC chapter 3746 and OAC chapter 3745-300, including compliance with the standards of performance and conduct for maintaining certification under OAC rule 3745-300-04(H). The certified laboratory must display the original certificate in a prominent location on its premises.

Revocation or Suspension. This certificate is subject to suspension or revocation in accordance with OAC rule 3745-300-04(O). The authorization provided by this certificate ceases upon the effective date of the suspension or revocation.

This certificate is the property of Ohio EPA and must be surrendered to Ohio EPA upon the revocation or suspension of the laboratory's certification.

APPENDIX F
LABORATORY ANALYSIS SUMMARY FORM

LABORATORY ANALYSIS QA/QC SUMMARY FORM

(To be included with each laboratory chemical analysis report)

SAMPLE RECEIPT

Was the chain of custody present for all samples?	Yes ☒ No ☐
Sampler name included?	Yes ☒ No ☐
Sampler signature included?	Yes ☒ No ☐
Sample date included?	Yes ☒ No ☐
Sample time included?	Yes ☒ No ☐
List the preservation method(s):	ICE
List the cooler temperature upon receipt:	1.9 ºF ☐ ºC ☒
Was headspace present in any sample vials?	Yes ☐ No ☐ NA ☒
Were the soil sample containers filled?	Yes ☒ No ☐ NA ☐
Were sample containers tightly sealed?	Yes ☒ No ☐
Were the correct laboratory containers used?	Yes ☒ No ☐

SAMPLE ANALYSIS

Were all analysis performed using SW-846 & ASTM methods? If not, identify the other methods used:	Yes ☒ No ☐
Were dates of sample extraction provided?	Yes ☒ No ☐
Were the matrix spike results within the control limit range established by the USEPA?	Yes ☒ No ☐
Were surrogate recoveries within the control limit range established by the USEPA?	Yes ☒ No ☐
Were control samples used to establish appropriate control limits for precision and bias?	Yes ☒ No ☐
Were instrument blanks, calibration standards, and method blanks submitted and analyzed?	Yes ☐ No ☒
Were matrix spike samples analyzed and either matrix spike duplicates or matrix duplicate samples analyzed?	Yes ☐ No ☒
Were the following QC samples used for each analytical batch:	
Lab control samples	Yes ☒ No ☐
Method blanks	Yes ☒ No ☐
Matrix spikes	Yes ☐ No ☒
Matrix spike duplicates or matrix duplicates	Yes ☐ No ☒
Were there any problems noted with surrogate recovery, % recovery, or % RSD? If so, list sample IDs: S-1, S-2, SP-2, SP-4, SP-6	Yes ☒ No ☐
Were there any data qualifiers noted by the lab? If so, list sample IDs: S-1, S-2, SP-2, SP-4, SP-6	Yes ☒ No ☐

LAB CERTIFICATION

Is the laboratory affiliated with the sampling company?	Yes ☐ No ☒
Check lab certification that applies:	☐ Ohio EPA DDGW ☒ Ohio EPA VAP ☐ NELAP ☐ A2LA ☐ Other (list):

COMPLETED BY

Print Name of Lab Representative and Title: Heather Wagner, Project Manager	Signature	Date

APPENDIX G
DISPOSAL DOCUMENTATION

FERROUS Processing & Trading Co.

Willoughby Iron and Waste, 3884 Church Street, Willoughby
Phone: (440) 946-8990 Fax: (440) 946-0377

TRENCHING UNLIMITED INC 10131 BARTHOLOMEW RD CHAGRIN FALLS, OH 44022 CHAGRIN FALLS OH 44022	Shipper # NS	Ship.Date 06/28/2022	Recd. Date 06/28/2022
	ATM Card #	License Plate	

Carrier	Truck Number	Driver Name	DL #	Dispatch Run #
THEIR TRUCK				

		LBS.	GT	Total Deductions	
LBS. GROSS	6/28/2022 2:56:05PM	39,320	17.55		
TARE	6/28/2022 3:10:39PM	31,780	14.19	0.00	LBS.
NET		7,540	3.37	0.00	GT

	LB Gross	LB Tare	LB Net	LB Adj. Net	Qty	Price/Unit	Amount	PO #
UNP TANKS	39,320	31,780	7,540	7,540				(
	39,320	31,780	7,540	7,540				(

Receiver Number
TR# 0027-422809

Page 1 of 1
Operator ML

Comments/Location
693835

The supplier/seller certifies that this load does not contain stolen material and is the owner of or is otherwise authorized to sell the scrap material offered. The supplier/seller also certifies that he/she is at least 18 years of age and has no criminal convictions involving the theft, conversion or sale of scrap metals.

Junk Dealer License:
License #:

FOR SALE OF CRUSHED MOTOR VEHICLES IN FLORIDA: I further represent that I have surrendered the vehicle's certificate of title to the Department of Highway Safety and Motor Vehicles as provided in s 319.30 or otherwise complied with the titling requirements provided by law for conversion of the vehicle to scrap metal.

THIS IS TO CERTIFY the above described commodity(s) was weighed, measured, or counted by a weigh master, whose signature is on this certificate and who is recognized authority of accuracy. By signing this scale receipt, supplier certifies that all Freon, mercury switches and other prohibited posted materials have been properly removed from vehicles, air conditioners, refrigerators, and other scrap metals. To the best of supplier's knowledge and belief, the information on this ticket/receipt is true and complete.

Thumbprint

CUSTOMER SIGNATURE _____

Website: www.fptscrap.com
Join us on Facebook: facebook.com/FerrousProcessingTradingCo/

Version 9.5.2

APPENDIX H
PHOTOGRAPHS

Photo 1 – View east of excavation area.

Photo 2 – View northeast of the excavation area.

Photo 3 – View northeast of the sidewalk adjacent to the excavation area with a 24'' water main.

Photo 4 – View southeast of the UST in the excavation pit, holes present on the top of the UST.

Photo 5 – View north of the exposed UST side wall.

Photo 6 – View north of the exposed UST. Plastic covering used to cover holes in the top of the UST.

Photo 7 – View southeast of the UST being removed from the excavation period.

Photo 8 – A view of the interior of the UST after removal.

Photo 9 – View north of the empty excavation.

Photo 10 – View southeast of the soil stockpile.

Photo 11 – View northeast of the covered soil stockpile.

Photo 12 – View southeast of crushed limestone being dumped into the excavation.

Photo 13 – View northeast of the filled excavation.

Photo 14 – View northwest of the UST being lifted into the dump truck for disposal.

LIMITED PHASE II INVESTIGATION

Former Gasoline Filling Station
12500 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

February 10, 2022

PREPARED FOR: Ms. Kim Kimlin
Chief Operating Officer
Cuyahoga County Land Reutilization Corp.
812 Huron Road E, Suite 800
Cleveland, Ohio 44115
Project #: 896.118

PREPARED BY: Partners
31100 Solon Road, Suite G
Solon, Ohio 44139
Phone: (800) 7631363
Fax: (518) 734-0132

This report has been prepared by Partners for the benefit of our Client in accordance with the approved scope of work. Partners assumes no liability for the unauthorized use of information, conclusions or recommendations included in this report by a third party.

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FIGURES

Figure 1 Property Location Map
Figure 2 Property and Surrounding Area Map
Figure 3 Sample Location Map
Figure 4 GPR Grid and Anomalies

TABLES

Table 1 Summary of COCs in Soil
Table 2 Summary of COCs in Groundwater

APPENDICES

Appendix A GPR Survey Documentation
Appendix B Soil Boring and Monitoring Well Logs
Appendix C Laboratory Analytical Reports
Appendix D Sampling Forms

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1.0 INTRODUCTION

Partners was contracted by the Cuyahoga County Land Reutilization Corp. (CCLRC, Client) to conduct a Limited Phase II Investigation (Phase II) at the Former Gasoline Filling Station Site located at 12500 Euclid Avenue in the City of East Cleveland, Cuyahoga County, Ohio (Property).

The Property consists of an L-shaped parcel measuring 0.36-acres located at the northeast corner of Euclid Avenue and Lakeview Road. The Property is currently vacant and was most recently occupied by AutoMax used car sales. The Property was developed for residential and commercial purposes prior to 1913. From 1926 through 1941, Economy Buick occupied the north portion of the Property and adjoining parcel to the north. The buildings were razed, and by 1967, the existing building had been constructed for use as a gasoline service station. The Property operated as a gasoline station from 1967 to 1973 and has been used for auto sales and service intermittently from 1974 to the present. The Property is comprised of one (1) parcel, designated as Permanent Parcel Number (PPN) 67213009, which is owned by 12500 Euclid Avenue LLC. The assessment was conducted in general accordance with the Ohio Environmental Protection Agency (EPA) Voluntary Action Program (VAP) protocol but was not completed as if the Property was on the VAP track.

2.0 PREVIOUS INVESTIGATIONS

Partners prepared a Phase I ESA report titled *Phase I Environmental Site Assessment, Former Gasoline Filling Station, 12500 Euclid Avenue, East Cleveland Ohio,* dated October 13, 2021. The Phase I ESA revealed the following RECs in connection with the Property:

- **Former Use as a Gasoline Filling Station and Auto Repair:** The Property operated as a gasoline station from 1967 to 1973 and has been used for auto sales and service intermittently from 1974 to the present. Information from the East Cleveland Fire Department indicates that one (1) 6,000-gallon gasoline underground storage tank (UST), one (1) 3,000-gallon gasoline UST, and one (1) 1,000-gallon used oil UST were located at the Property. Records indicate that in 1973 filling station operations ceased and the USTs were removed. In 2001, hydraulic lifts were removed from within the building. Soil samples were obtained from beneath the lifts at a depth of 10 to 11 feet below the ground surface (bgs) and were analyzed for total petroleum hydrocarbons (TPH) by USEPA Method 418.1, which does not differentiate light (C6-C12), medium (C10-C20), and heavy (C20-C34) petroleum fractions. TPH concentrations were below applicable comparison standards. However, the potential exists that the hydraulic oil used in the lifts contained polychlorinated biphenyls (PCBs). The soil samples collected were not analyzed for PCBs.

- **Known Soil Gas Contamination at North Adjoining Site:** In 2019, Partners conducted subsurface investigations at the north adjoining site due to the past uses including dry cleaning, printing, and auto repair. As part of that work, Partners advanced soil borings, groundwater monitoring wells, sub-slab vapor points, and soil gas points. Soil gas testing at the southern boundary of the adjoining site showed an elevated concentration of trichloroethene (TCE), adjacent to the Property.

3.0 LIMITED PHASE II INVESTIGATION ACTIVITIES

The findings of the Phase I ESA were considered while preparing the Limited Phase II scope of work. It is Partners' understanding that the Property and the existing building will be renovated for commercial use. Therefore, future receptor pathways at the Property may include commercial workers, and construction/excavation workers.

3.1 General Scope

The Limited Phase II activities included soil and groundwater sampling and laboratory analysis. Partners advanced eight (8) soil borings (SB-01 through SB-06, MW-01 and MW-02). Two (2) borings were

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completed as temporary groundwater monitoring wells (MW-01 and MW-02). Additionally, a ground penetrating radar (GPR) survey was completed in the area of the former mapped USTs.

Prior to initiating field activities, Partners prepared a *Sampling and Analysis Plan* (SAP) dated October 13, 2021. The SAP was submitted to the United States Environmental Protection Agency (USEPA) and the Client for review and approval. The USEPA approved the SAP without revision in correspondence dated October 14, 2021. The Limited Phase II Investigation was conducted in accordance with the SAP and the USEPA approved Quality Assurance Project Plan (QAPP) prepared by Partners.

3.2 Methods of Assessment

3.2.1 Ground Penetrating Radar (GPR) Survey

On October 26, 2021, Partners met with the GPR contractor (Blood Hound, LLC) to check for the presence of USTs. The area of the USTs, located in the northern portion of the Property as indicated in Fire Department records, was surveyed on an approximate five (5)-foot grid line spacing. Information from Bloodhound is attached in **Appendix A**.

3.2.2 Soil Boring, Sampling, Field Screening and Analysis

On October 26, 2021, soil borings were advanced using a truck-mounted, direct push technology (Geoprobe™) sampling system. The borings were sampled continuously from the ground surface to depths of approximately 12 feet below ground surface (bgs). The Geoprobe™ drives a two (2)-inch outside diameter (OD), stainless steel tube containing a new disposable acetate liner into the subsurface to obtain soil samples. The soil is forced into the liner at continuous four (4)-foot intervals and is then retrieved to the surface. Each four (4)-foot soil sample was further divided into two (2) foot sample intervals, visually observed, sampled, logged, and classified according to the Unified Soil Classification System (USCS) by a member of Partners' field staff. The boring locations are depicted on **Figure 2** and soil boring logs are included in **Appendix B**.

Soil samples were divided into two (2) portions. One (1) portion was placed in new two (2) or four (4)-ounce, pre-cleaned glass jars with Teflon® lined lids, and the second portion was placed in a new re-sealable plastic bag for field screening purposes. Soil samples for volatile organic compounds (VOC) analysis were collected in the field via Method 5035 using TerraCore™ style samplers and a 40 milliliter (ml) amber glass vial containing methanol (one [1] each). Samples placed in the glass jars were labeled and placed in a cooler containing ice, pending submission to an Ohio EPA VAP certified laboratory for chemical analysis. New disposable nitrile gloves were worn and changed between each sample to prevent possible cross-contamination. The sampling equipment was decontaminated between sampling events with an Alconox® detergent rinse.

Soil samples were field screened for the presence of organic vapors using a MiniRAE 3000 Photoionization Detector (PID), manufactured by Honeywell RAE Systems. The PID was calibrated prior to field activities using a known concentration of a gas standard in accordance with the manufacturers' specifications. Soil sample PID readings are included on the soil boring logs in **Appendix B**.

Soil borings were properly abandoned at the completion of field activities by filling each to the surface with excess soil cuttings and hydrated bentonite chips. The soil borings were finished at the surface with like surfacing materials (e.g., concrete/asphalt patch).

Select soil samples were submitted for laboratory analysis based on a combination of historical information, field observations (visual or odor), PID screening results, the most likely depth of a release, and/or the potential point of compliance. Based on the conditions under assessment, selected soil samples were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by USEPA Method 8260 (16 samples)
- Polynuclear Aromatic Hydrocarbons (PAHs) by USEPA Method 8270 (5 samples)
- Total Petroleum Hydrocarbons (TPH C_6-C_{34}) by USEPA Method 8015 (16 samples)
- Polychlorinated biphenyls (PCBs) by USEPA Method 8081 (5 samples).

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Soil samples were labeled, placed in an iced cooler, and submitted for analysis under appropriate chain-of-custody control to Pace Analytical, a VAP Certified Laboratory (CL0069), located in Mt. Juliet, Tennessee. The laboratory analytical report is included in **Appendix C**.

3.2.3 Temporary Groundwater Monitoring Well Installation, Sampling, and Analysis

Two (2) of the soil borings were completed as temporary groundwater monitoring wells (MW-01 and MW-02). The monitoring wells were installed to a depth of approximately 12 feet bgs using the direct push tooling and an expendable point. Groundwater monitoring well MW-01 was installed in the northern portion of the Property and MW-02 was installed in the north-central portion of the Property in the area of the former dispensers. Temporary monitor well locations are depicted on **Figure 2**.

The monitoring wells were constructed with one (1)-inch inside diameter (ID) polyvinyl chloride (PVC) screen and riser pipe. The screen (10 slot) was five (5)-feet long and positioned to span the potential groundwater interface. The annular space was filled with sand to approximately two (2) feet above the screen and then with bentonite to within one (1) foot of the surface.

On October 27, 2020, the wells were measured using a Solinst interface probe to determine depth to groundwater and as a check for the presence of a light non-aqueous phase liquids (LNAPL) and dense non-aqueous phase liquids (DNAPL).

Because to the temporary well construction method, the wells were sampled using manual bailing methods. A dedicated, disposable polyethylene bailer was used at each location to purge the well. During purging, a YSI water quality meter was used to measure the temperature, pH, specific conductivity, turbidity, dissolved oxygen and oxygen-reduction potential (ORP) of the water at approximately 0.5 liter intervals while purging. The wells were purged until three (3) casing volumes were removed or they were purged dry. Samples were collected once purge volumes were reached and/or the monitor wells were allowed to sufficiently recharge. Groundwater Sampling Logs are included in **Appendix D**.

Groundwater samples were collected and submitted for laboratory analyses of the following parameters:

- VOCs by USEPA Method 8260 (two [2] samples)
- PAHs by USEPA Method 8270 (two [2] samples)

Groundwater samples were labeled, placed in an iced cooler, and submitted for analysis under appropriate chain-of-custody control to Pace Analytical, a VAP Certified Laboratory (CL0069), located in Mt. Juliet, Tennessee. The laboratory analytical report is included in **Appendix C**.

Upon completion of groundwater sampling activities, the monitor well casing and screen was pulled from the borehole and sealed with bentonite to the surface. The minimal volume of purged groundwater from each temporary well location was used to hydrate the bentonite.

3.2.4 Investigation Derived Waste

No excess investigation derived wastes were generated during this project.

4.0 POTENTIALLY APPLICABLE COMPARISON STANDARDS

Although the Property is not going through the Ohio EPA Voluntary Action Program (VAP), the program has promulgated standards under state environmental law that establish levels that are considered protective of human health and the environment. These standards were used for evaluation of Property conditions. Partners understands that the planned land use of the Property is likely to be for commercial purposes.

Evaluation of Soil

The VAP Generic Numerical Direct Contact Soil Standards (GDCS) for the Commercial/Industrial Land Use Category and the Construction/Excavation Activities Category (Ohio Administrative Code [OAC] 3745-300-08) were used for evaluation of the results of soil analyses. Constituents for which no GDCS have been derived were compared to the Ohio EPA VAP Chemical Information Database and Applicable Regulatory Standards (CIDARS), Supplemental Criteria. TPH concentrations in soil were evaluated using the TPH Saturation Concentration, coarse grained soils (OAC 3745-300-09(D)(2)(b)).

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Evaluation of Groundwater

Results of groundwater sampling was compared to the USEPA Vapor Intrusion Screening Levels (VISL) Target Groundwater Concentrations for commercial land use with a carcinogenic risk of 1E-5, hazard quotient of 1, an attenuation factor (AF) of 0.001, and a groundwater temperature of 11 degrees Celsius in accordance with the Ohio EPA document *Sample Collection and Evaluation of Vapor Intrusion to Indoor Air for Remedial Response, RCRA and VAP.*

As the Property is located within the Cleveland City-Wide Urban Setting Designation (USD) which establishes that groundwater is not and will not likely be used as a drinking water source, the Ohio VAP generic and risk-based Unrestricted Potable Use Standards (UPUS) are not applicable standards for the Property.

5.0 FINDINGS

5.1 Ground Penetrating Radar (GPR Survey)

The results of the GPR survey showed no apparent indications of the presence of USTs within the survey area. The GPR survey identified two (2) linear anomalies in the northern portion of the Property likely to be associated with utilities. Based on the locations of the linear anomalies it is not likely that they are associated with UST piping. The gridded area and anomalies are shown on **Figure 4** and information from Bloodhound is attached in **Appendix A**.

5.2 Subsurface Conditions

The subsurface profile may be generalized as sporadic surficial fill followed by native deposits of sand and then shale. Soil boring logs are included in **Appendix B**.

Fill materials typically consisted of approximately one (1) to 2.75-feet of brown fine sand or sandy clay with some gravel, brick and/or slag fragments as encountered at borings SB-01, SB-03, SB-05 and SB-06. At SB-04, concrete and brick debris were encountered beneath the asphalt surface.

Native soils consisted of brown fine/fine to medium sands to depths ranging from about 10.2 to 12 feet bgs. Brown fine to coarse sand with gravel was encountered at a depth of 11.5 feet at SB-03, and a gray clay seam was encountered at a depth of 8.2 to 8.8 feet at boring MW-01. Gray weathered shale bedrock was encountered at depths ranging from 10.2 to 11.5 feet at SB-02, SB-04, SB-05, SB-06 and MW-02. Shale was not encountered at the remaining boring locations.

Gray-stained fine sand with petroleum odors were encountered at SB-05 (8-10 feet bgs). No petroleum or chemical odors and/or staining were noted in the soil samples at the remaining boring locations. With the exception of SB-05, PID readings were less than 1.5 part per million (ppm). At SB-05, elevated PID readings of 102.5 ppm (6-8 feet) and 308.9 ppm (8-10 feet) were encountered. These elevated readings correlate with the gray staining and petroleum odors present at this location.

Groundwater encounter was apparent during drilling at depths ranging from eight (8) to 9.7 feet bgs. Groundwater was not encountered during drilling at SB-04 and MW-01. After 24 hours, groundwater was present in the temporary monitoring wells at depths of 10.6 feet bgs (MW-01) and 9.7 feet bgs (MW-02). During monitor well purging activities, the temporary wells were bailed dry, and recharge was relatively slow.

6.0 RESULTS OF ANALYTICAL TESTING

6.1 Soil Analytical Results

The results of the soil analytical testing are presented in **Table 1 and Table 2**. The laboratory analytical reports are included in **Appendix C**.

VOCs: Results of analytical testing indicate that 22 VOC analytes were detected in the soil samples at concentrations above laboratory method detection limits (MDLs). All detected VOC concentrations were below the respective GDCS cited for comparison.

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PAHs: Results of analytical testing indicate that 17 PAH analytes were detected in the soil samples at concentrations above laboratory MDLs. All detected PAH concentrations were below the respective GDCS cited for comparison.

TPH: All TPH fractions were present in the soil samples below comparison standards.

PCBs: One (1) PCB analyte (PCB 1260) was detected in the soil samples at concentrations above laboratory MDLs. All detected PCB concentrations were below the respective GDCS cited for comparison.

6.2 Groundwater Analytical Results

The results of the groundwater analytical testing are presented in **Table 3**. The laboratory analytical reports are included in **Appendix C**.

VOCs: Results of analytical testing indicate that 11 VOC analytes were detected in the groundwater samples at concentrations above laboratory MDLs. With the exception TCE, all detected VOC concentrations were below the VISL Target Groundwater Concentrations for commercial land use.

The concentrations of TCE in MW-01 (0.101 mg/l) and MW-01 Duplicate (0.0866 mg/l) exceed the VISL standard of 0.0416 mg/l. MW-01 is located at the north Property corner adjacent to the known off-Property soil gas exceedance.

7.0 LIMITATIONS

The analytical results and conclusions presented in this report are based on the completion of eight (8) soil borings and two (2) temporary monitoring wells and limited soil and groundwater testing. Although the results presented above provide a reasonable indication of conditions in the areas evaluated, they may not be indicative of conditions in areas of the Property not evaluated by Partners.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Limited Phase II Investigation activities and information contained in this report, Partners presents the following summary and conclusions regarding the Property.

Subsurface Profile

The subsurface profile may be generalized as areas of surficial sandy fill underlain by sandy soils and shale bedrock. Groundwater was encountered during drilling at depths between about eight (8) and 10 feet bgs.

Soil Testing

Based on the results of analytical testing, soils have not been impacted by VOCs, PAHs, PCBs, or TPH at concentrations exceeding the GDCS for the Commercial/Industrial Land Use or Construction/Excavation Activities or TPH Saturation Concentrations.

Groundwater Testing

Based on the results of analytical testing, the concentrations of TCE in the groundwater at MW-01 exceed the respective VISL value for commercial use. The presence of TCE in the groundwater on the Property represents a vapor intrusion risk to potential on-Property commercial receptors. MW-01 is located at the north Property corner adjacent to the known off-Property soil gas exceedance.

Recommendations

Depending on future development plans for the Property, mitigation of the vapor intrusion risk identified in the northwestern portion of the Property (MW-01) may be necessary through the installation of a vapor barrier or sub-slab depressurization system.

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9.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (800) 763-1363 if you have any questions or if we can be of any further assistance.

Sincerely,
Partners

Thomas A. Weir
Senior Environmental Scientist

John T. Garvey, CP
Vice President

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FIGURES

Copyright © 2021, Partners

Image Provided By ESRI Street Map

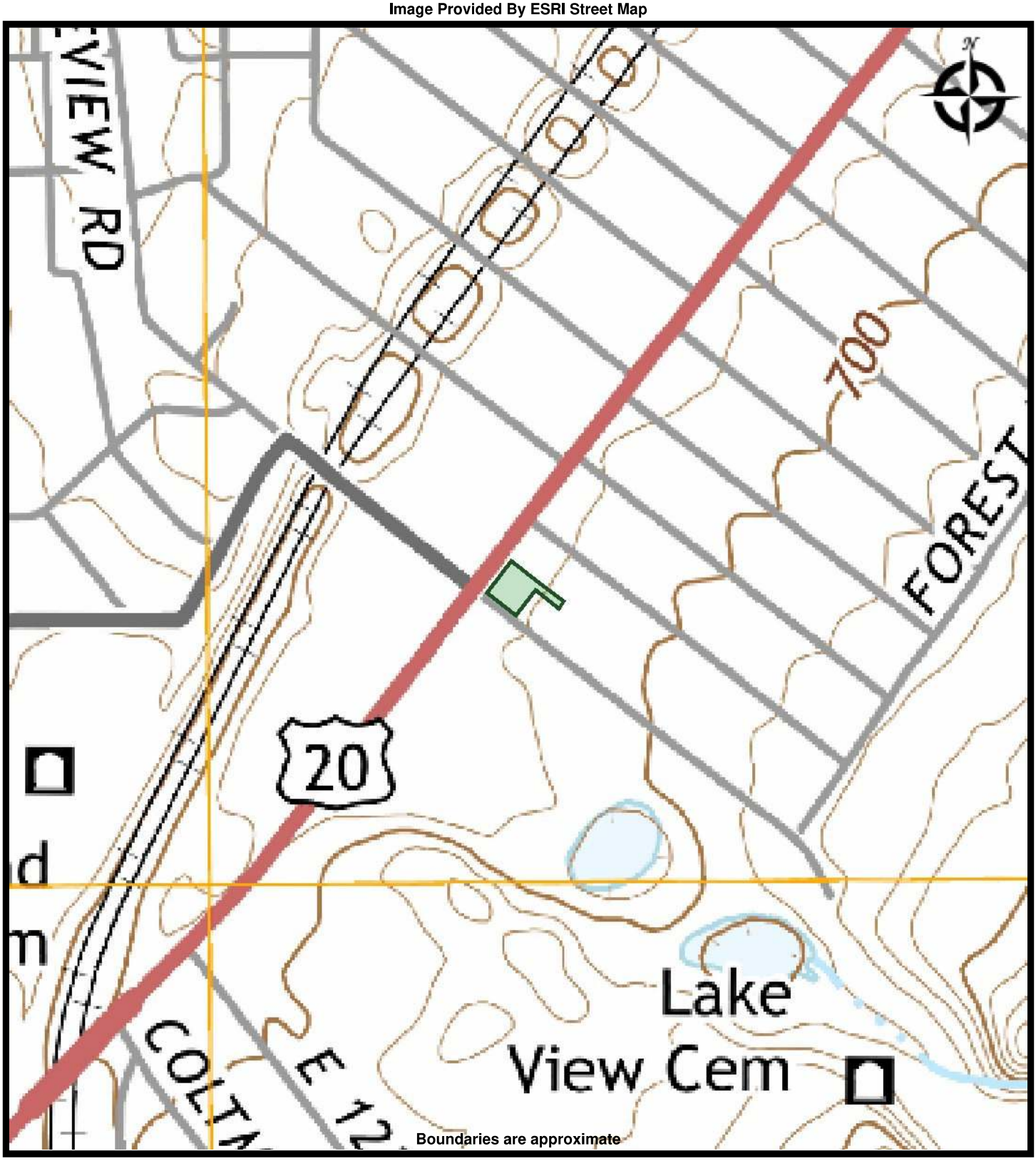

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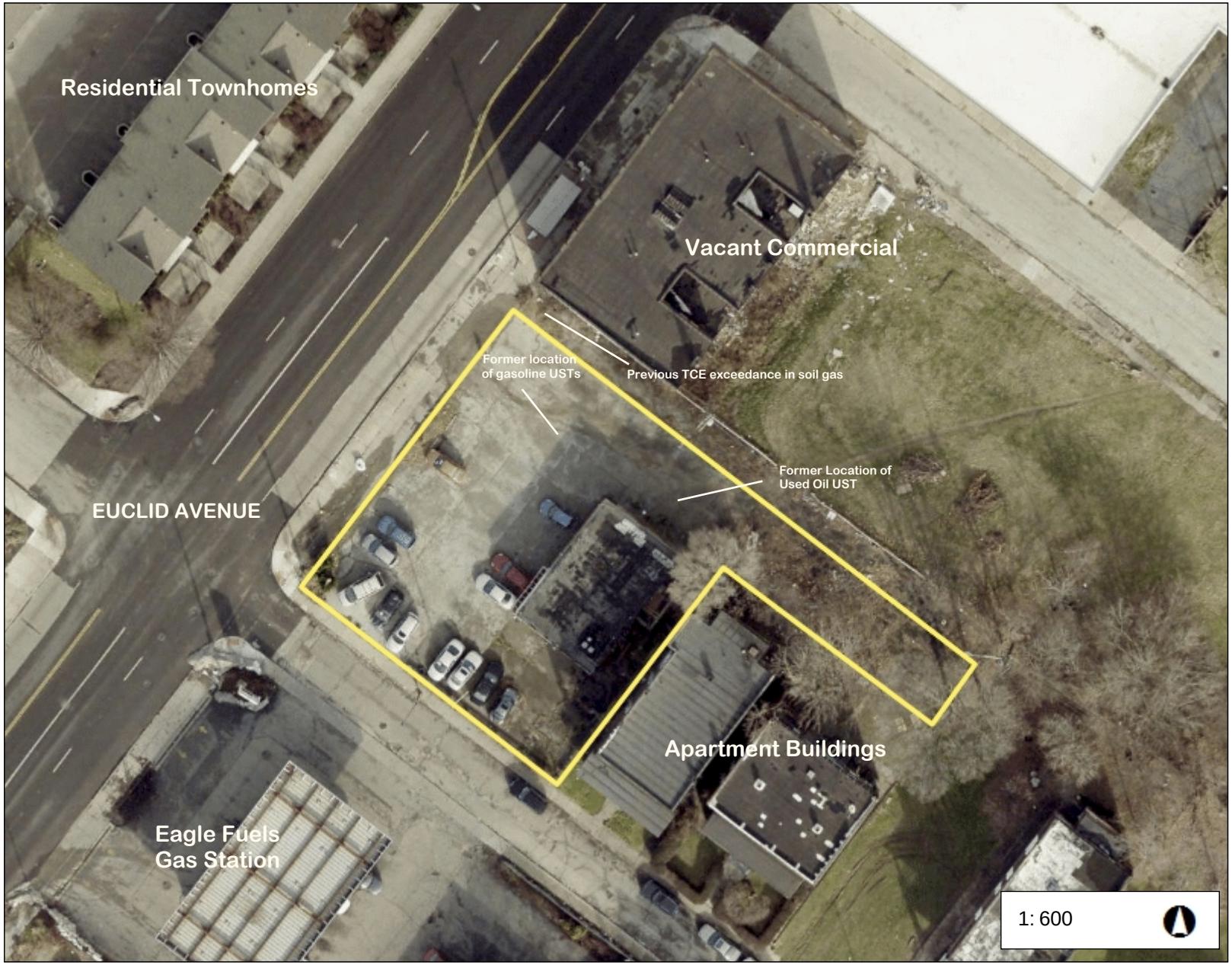
Figure 1: Property Location Map

12500 Euclid Avenue
Cleveland, Ohio 44112

PREPARED FOR: CCLRC
PROJ. MGR: VEW
DRAWN BY: VEW
DATE: 9/17/2021
PROJ. #: 896.118

Figure 2: Property and Surrounding Area Map



Date Created: 11/16/2021

Legend

12500 Euclid Avenue
East Cleveland, Ohio

100 0 50 100 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.
THIS MAP IS NOT TO BE USED FOR NAVIGATION

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Figure 3: Sample Location Map

Date Created: 11/16/2021

Legend

- Soil Boring
- Monitoring Well

12500 Euclid Avenue
East Cleveland, Ohio

100 0 50 100 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

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Figure 4: GPR Grid and Anomalies

Date Created: 11/16/2021

Legend

12500 Euclid Avenue
East Cleveland, Ohio

100 0 50 100 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

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TABLES

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Table 1
Summary of COCs in Soil
Former Gasoline Filling Station
12500 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		*VAP Standards*		SB-01 (2-4FT)	SB-01 (8-10FT)	SB-02 (0-2FT)	SB-02 (6-8FT)	SB-03 (0-2FT)	SB-03 (6-8FT)	SB-04 (4-6FT)	SB-04 (6-8FT)	SB-05 (6-8FT)	SB-05 (8-10FT)	SB-05 (8-10FT) Duplicate	SB-06 (0-2FT)	SB-06 (8-10FT)	MW-01 (4-6FT)	MW-01 (8-10FT)	MW-02 (0-2FT)	MW-02 (2-4FT)
Collection Date		*GDCS Commercial/ Industrial Land Use[3]*	*GDCS Construction & Excavation Activities[4]*	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021	10/26/2021
Parameter	**Units[2]**			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Volatile Organic Compounds - VOCs																				
Acetone	mg/kg	*110,000*	*110,000*	<0.0662	<0.0683	<0.0671	<0.0626	<0.0604	<0.0657	<0.0673	<0.0680	<0.0584	<0.0679	<0.0687	<0.0584	<0.0694	<0.0684	<0.0702	<0.0652	<0.0713
Acrylonitrile	mg/kg	*30*	*62*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
Benzene	mg/kg	*130*	*1,200*	<0.00132	<0.00137	<0.00134	<0.00125	**0.000986**	<0.00131	<0.00135	<0.00136	<0.00117	<0.00136	<0.00137	**0.00107**	<0.00139	<0.00137	**0.0014**	**0.00434**	<0.00143
Bromobenzene	mg/kg	*NE*	*NE*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
Bromodichloromethane	mg/kg	*33*	*300*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Bromoform	mg/kg	*910*	*910*	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356
Bromomethane	mg/kg	*76*	*550*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
n-Butylbenzene	mg/kg	*110 [5]*	*110 [5]*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	**0.421**	**0.808**	**0.0109**	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
sec-Butylbenzene	mg/kg	*140 [5]*	*140 [5]*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	**0.00401**	**0.872**	**0.958**	**0.0093**	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
tert-Butylbenzene	mg/kg	*180 [5]*	*180 [5]*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	**0.0564**	**0.0583**	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
Carbon tetrachloride	mg/kg	*74*	*460*	<0.00662	<0.00683	<0.00671	<0.00626	**0.00298**	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
Chlorobenzene	mg/kg	*760*	*760*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Chlorodibromomethane	mg/kg	*800*	*800*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Chloroethane	mg/kg	*2,100*	*2,100*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
Chloroform	mg/kg	*35*	*320*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Chloromethane	mg/kg	*1,200*	*1,300*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
2-Chlorotoluene	mg/kg	*NE*	*NE*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
4-Chlorotoluene	mg/kg	*NE*	*NE*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
1,2-Dibromo-3-Chloropropane	mg/kg	*1.6*	*15*	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356
1,2-Dibromoethane (EDB)	mg/kg	*4.2*	*39*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Dibromomethane	mg/kg	*250 [5]*	*870 [5]*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
1,2-Dichlorobenzene	mg/kg	*380*	*380*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
1,3-Dichlorobenzene	mg/kg	*NE*	*NE*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
1,4-Dichlorobenzene	mg/kg	*290*	*2,600*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
Dichlorodifluoromethane	mg/kg	*850*	*850*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
1,1-Dichloroethane	mg/kg	*390*	*1,700*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	**0.00583**	<0.00326	<0.00356
1,2-Dichloroethane (EDC)	mg/kg	*52*	*480*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
1,1-Dichloroethene	mg/kg	*1,200*	*360*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
cis-1,2-Dichloroethene	mg/kg	*2,400*	*2,400*	<0.00331	**0.00586**	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	**0.0256**	<0.00326	<0.00356
trans-1,2-Dichloroethene	mg/kg	*1,900*	*1,900*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
1,2-Dichloropropane	mg/kg	*170*	*180*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
1,1-Dichloropropene	mg/kg	*NE*	*NE*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
1,3-Dichloropropane	mg/kg	*1,500*	*1,500*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
cis-1,3-Dichloropropene	mg/kg	*NE*	*NE*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
trans-1,3-Dichloropropene	mg/kg	*NE*	*NE*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
2,2-Dichloropropane	mg/kg	*NE*	*NE*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Di-Isopropyl Ether	mg/kg	*NE*	*NE*	<0.00132	<0.00137	<0.00134	<0.00125	<0.00121	<0.00131	<0.00135	<0.00136	<0.00117	<0.00136	<0.00137	<0.00117	<0.00139	<0.00137	<0.00140	<0.00130	<0.00143
Ethylbenzene	mg/kg	*480*	*480*	<0.00331	<0.00341	<0.00336	<0.00313	**0.00367**	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	**0.00264**	<0.00347	<0.00342	<0.00351	**0.012**	<0.00356
Hexachloro-1,3-butadiene	mg/kg	*17*	*17*	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356
n-Hexane	mg/kg	*140*	*140*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	<0.00584	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
Isopropylbenzene	mg/kg	*270*	*270*	<0.00331	<0.00341	<0.00336	<0.00313	**0.00403**	<0.00328	<0.00336	<0.00340	<0.00292	**0.016**	**0.0477**	**0.00183**	<0.00347	<0.00342	<0.00351	**0.00789**	<0.00356
p-Isopropyltoluene	mg/kg	*160 [5]*	*160 [5]*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	<0.00584	**0.205**	**0.425**	**0.00427**	<0.00694	<0.00684	<0.00702	<0.00652	<0.00713
2-Butanone (MEK)	mg/kg	*28,000*	*28,000*	**0.131**	<0.137	**0.105**	<0.125	<0.121	**0.0841**	<0.135	<0.136	**0.0949**	<0.136	**0.124**	<0.117	<0.139	<0.137	<0.140	<0.130	<0.143
Methylene Chloride	mg/kg	*3,300*	*3,300*	<0.0331	<0.0341	<0.0336	<0.0313	<0.0302	<0.0328	<0.0336	<0.0340	<0.0292	<0.0340	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356
4-Methyl-2-pentanone (MIBK)	mg/kg	*3,400*	*3,400*	<0.0331	<0.0341	<0.0336	<0.0313	**0.00356**	<0.0328	<0.0336	<0.0340	<0.0292	**0.0929**	<0.0344	<0.0292	<0.0347	<0.0342	<0.0351	<0.0326	<0.0356
Methyl tert-butyl ether (MTBE)	mg/kg	*5,400*	*8,900*	<0.00132	<0.00137	<0.00134	<0.00125	<0.00121	<0.00131	<0.00135	<0.00136	<0.00117	<0.00136	<0.00137	<0.00117	<0.00139	<0.00137	<0.00140	<0.00130	<0.00143
Naphthalene	mg/kg	*420*	*560*	<0.0165	<0.0171	<0.0168	<0.0157	**0.0227**	<0.0164	<0.0168	<0.0170	<0.0146	**0.0465**	**0.102**	**0.0169**	<0.0173	<0.0171	<0.0176	**0.0384**	<0.0178
n-Propylbenzene	mg/kg	*260 [5]*	*260 [5]*	<0.00662	<0.00683	<0.00671	<0.00626	**0.00695**	<0.00657	<0.00673	<0.00680	<0.00584	**0.0526**	**0.133**	**0.00335**	<0.00694	<0.00684	<0.00702	**0.0121**	<0.00713
Styrene	mg/kg	*870*	*870*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
1,1,1,2-Tetrachloroethane	mg/kg	*230*	*680*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
1,1,2,2-Tetrachloroethane	mg/kg	*71*	*670*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Tetrachloroethene (PCE)	mg/kg	*170*	*170*	<0.00331	<0.00341	<0.00336	<0.00313	**0.00135**	<0.00328	<0.00336	<0.00340	<0.00292	**0.00145**	**0.00249**	**0.00841**	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Toluene	mg/kg	*820*	*820*	<0.00662	<0.00683	<0.00671	<0.00626	**0.011**	<0.00657	<0.00673	<0.00680	<0.00584	<0.00679	<0.00687	**0.00511**	<0.00694	<0.00684	<0.00702	**0.0378**	<0.00713
1,2,3-Trichlorobenzene	mg/kg	*NE*	*NE*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
1,2,4-Trichlorobenzene	mg/kg	*400*	*400*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	**0.0496**	**0.0423**	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
1,1,1-Trichloroethane	mg/kg	*640*	*640*	<0.00331	<0.00341	<0.00336	<0.00313	**0.0295**	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
1,1,2-Trichloroethane	mg/kg	*130*	*1,200*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Trichloroethene (TCE)	mg/kg	*48*	*17*	<0.00132	**0.133**	<0.00134	<0.00125	**0.019**	<0.00131	<0.00135	<0.00136	<0.00117	<0.00136	<0.00137	**0.00645**	<0.00139	**0.0049**	**0.347**	<0.00130	<0.00143

Table 1
Summary of COCs in Soil
Former Gasoline Filling Station
12500 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio

Trichlorofluoromethane	mg/kg	*1,200*	*1,200*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
1,2,3-Trichloropropane	mg/kg	*4.4*	*19*	<0.0165	<0.0171	<0.0168	<0.0157	<0.0151	<0.0164	<0.0168	<0.0170	<0.0146	<0.0170	<0.0172	<0.0146	<0.0173	<0.0171	<0.0176	<0.0163	<0.0178
1,2,4-Trimethylbenzene	mg/kg	*220*	*220*	<0.00662	<0.00683	<0.00671	<0.00626	**0.00993**	<0.00657	<0.00673	<0.00680	**0.00869**	**0.511**	**1.86**	**0.018**	<0.00694	<0.00684	<0.00702	**0.0159**	<0.00713
1,3,5-Trimethylbenzene	mg/kg	*180*	*180*	<0.00662	<0.00683	<0.00671	<0.00626	<0.00604	<0.00657	<0.00673	<0.00680	**0.00962**	**0.614**	**1.51**	**0.0114**	<0.00694	<0.00684	<0.00702	**0.0036**	<0.00713
Vinyl chloride	mg/kg	*49*	*280*	<0.00331	<0.00341	<0.00336	<0.00313	<0.00302	<0.00328	<0.00336	<0.00340	<0.00292	<0.00340	<0.00344	<0.00292	<0.00347	<0.00342	<0.00351	<0.00326	<0.00356
Xylenes, Total	mg/kg	*260*	*260*	<0.00860	<0.00887	<0.00873	<0.00814	**0.0302**	<0.00854	<0.00874	<0.00884	<0.00759	**0.00274**	**0.00906**	**0.0193**	<0.00902	<0.00889	**0.00229**	**0.0665**	**0.00143**
Polynuclear Aromatic Hydrocarbons-PAHs																				
Anthracene	mg/kg	*670,000*	*1,000,000*	-	<0.00701	-	-	-	<0.00684	-	-	-	**0.0216**	**0.0414**	-	-	-	-	-	**0.00778**
Acenaphthene	mg/kg	*1,000,000*	*290,000*	-	<0.00701	-	-	-	<0.00684	-	-	-	**0.0396**	**0.0714**	-	-	-	-	-	<0.00703
Acenaphthylene	mg/kg	*130,000* [5]	*290,000* [5]	-	<0.00701	-	-	-	<0.00684	-	-	-	<0.00696	<0.00697	-	-	-	-	-	**0.00428**
Benzo(a)anthracene	mg/kg	*610*	*9,600*	-	**0.00521**	-	-	-	<0.00684	-	-	-	**0.0407**	**0.0721**	-	-	-	-	-	**0.0353**
Benzo(a)pyrene	mg/kg	*62*	*230*	-	**0.00744**	-	-	-	<0.00684	-	-	-	**0.0312**	**0.0599**	-	-	-	-	-	**0.029**
Benzo(b)fluoranthene	mg/kg	*620*	*10,000*	-	**0.0109**	-	-	-	<0.00684	-	-	-	**0.0312**	**0.0639**	-	-	-	-	-	**0.0479**
Benzo(g,h,i)perylene	mg/kg	*67,000* [5]	*430,000* [5]	-	**0.0083**	-	-	-	<0.00684	-	-	-	**0.0237**	**0.046**	-	-	-	-	-	**0.0234**
Benzo(k)fluoranthene	mg/kg	*6,200*	*100,000*	-	**0.00426**	-	-	-	<0.00684	-	-	-	**0.037**	**0.0632**	-	-	-	-	-	**0.015**
Chrysene	mg/kg	*62,000*	*1,000,000*	-	**0.00646**	-	-	-	<0.00684	-	-	-	**0.0469**	**0.0861**	-	-	-	-	-	**0.0423**
Dibenz(a,h)anthracene	mg/kg	*62*	*1,000*	-	<0.00701	-	-	-	<0.00684	-	-	-	**0.00339**	**0.00663**	-	-	-	-	-	**0.00536**
Fluoranthene	mg/kg	*89,000*	*170,000*	-	**0.0042**	-	-	-	<0.00684	-	-	-	**0.123**	**0.242**	-	-	-	-	-	**0.0872**
Fluorene	mg/kg	*89,000*	*580,000*	-	<0.00701	-	-	-	<0.00684	-	-	-	**0.0797**	**0.144**	-	-	-	-	-	<0.00703
Indeno(1,2,3-cd)pyrene	mg/kg	*620*	*10,000*	-	**0.00764**	-	-	-	<0.00684	-	-	-	**0.0171**	**0.0319**	-	-	-	-	-	**0.0274**
Naphthalene	mg/kg	*420*	*560*	-	<0.0234	-	-	-	<0.0228	-	-	-	**0.0569**	**0.0962**	-	-	-	-	-	<0.0234
Phenanthrene	mg/kg	*670,000* [5]	*1,000,000* [5]	-	<0.00701	-	-	-	<0.00684	-	-	-	**0.41**	**0.761**	-	-	-	-	-	**0.0441**
Pyrene	mg/kg	*67,000*	*430,000*	-	**0.00437**	-	-	-	<0.00684	-	-	-	**0.333**	**0.592**	-	-	-	-	-	**0.0655**
1-Methylnaphthalene	mg/kg	*390*	*390*	-	<0.0234	-	-	-	<0.0228	-	-	-	**0.123**	**0.0972**	-	-	-	-	-	<0.0234
2-Methylnaphthalene	mg/kg	*8,900*	*5,800*	-	<0.0234	-	-	-	<0.0228	-	-	-	**0.0215**	<0.0232	-	-	-	-	-	<0.0234
2-Chloronaphthalene	mg/kg	*370,000*	*1,000,000*	-	<0.0234	-	-	-	<0.0228	-	-	-	<0.0232	<0.0232	-	-	-	-	-	<0.0234
Total Petroleum Hydrocarbons-TPH [6]																				
TPH C6-C12	mg/kg	*1,000*		<3.31	<3.41	<3.36	<3.13	<3.02	<3.28	<3.36	<3.40	**8.16**	**287**	**275**	**1.31**	<3.47	<3.42	**1.81**	**1.2**	<3.56
TPH C10-C20	mg/kg	*2,000*		**0.793**	**0.714**	**0.995**	**0.892**	**8.64**	<4.56	<4.59	**0.735**	**123**	**740**	**603**	**12.5**	**0.966**	<4.64	**8.33**	**9.13**	**2.93**
TPH C20-C34	mg/kg	*5,000*		**3.68**	**1.88**	**4.62**	**1.34**	**24.7**	**0.761**	**1.64**	**1.09**	**830**	**3460**	**2700**	**67.7**	**1.03**	<4.64	**9.26**	**42.9**	**4.76**
Polychlorinated Biphenyls (PCBs)																				
PCB 1016	mg/kg	*150*	*290*	-	<0.0397	-	-	-	<0.0387	-	-	-	<0.0395	<0.0395	-	<0.0396	-	-	-	-
PCB 1221	mg/kg	*22*	*300*	-	<0.0397	-	-	-	<0.0387	-	-	-	<0.0395	<0.0395	-	<0.0396	-	-	-	-
PCB 1232	mg/kg	*18*	*230*	-	<0.0397	-	-	-	<0.0387	-	-	-	<0.0395	<0.0395	-	<0.0396	-	-	-	-
PCB 1242	mg/kg	*27*	*400*	-	<0.0397	-	-	-	<0.0387	-	-	-	<0.0395	<0.0395	-	<0.0396	-	-	-	-
PCB 1248	mg/kg	*26*	*390*	-	<0.0199	-	-	-	<0.0194	-	-	-	<0.0197	<0.0197	-	<0.0198	-	-	-	-
PCB 1254	mg/kg	*28*	*84*	-	<0.0199	-	-	-	<0.0194	-	-	-	<0.0197	<0.0197	-	<0.0198	-	-	-	-
PCB 1260	mg/kg	*28*	*450*	-	**0.0321**	-	-	-	<0.0194	-	-	-	**0.116**	**0.213**	-	<0.0198	-	-	-	-

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Commercial/Industrial Land Use.
4. Ohio VAP GDCS Construction/Excavation Activities.
5. Supplemental standards from the Ohio VAP CIDARS.
6. TPH Action Levels defined in OAC 1301: 7-9-13, Soil Class 1.

Bold numbers indicate a concentration above laboratory detection limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

Table 2
Summary of COCs in Groundwater
Former Gasoline Filling Station
12500 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio

Sample ID		***USEPA***	**MW-01**		**MW-02**
Collection Date			10/27/2021		10/27/2021
Parameter	**Units**	***VISL***	Value	Duplicate	Value
Volatile Organic Compounds - VOCs					
Acetone	mg/l	*169,000*	<0.0113	<0.0113	<0.0113
Acrolein	mg/l	*0.031*	<0.00254	<0.00254	<0.00254
Acrylonitrile	mg/l	*0.628*	<0.000671	<0.000671	<0.000671
Benzene	mg/l	*0.13*	<0.0000941	<0.0000941	**0.000197**
Bromobenzene	mg/l	*7.06*	<0.000118	<0.000118	<0.000118
Bromodichloromethane	mg/l	*0.075*	<0.000136	<0.000136	<0.000136
Bromoform	mg/l	*12.1*	<0.000129	<0.000129	<0.000129
Bromomethane	mg/l	*0.111*	<0.000605	<0.000605	<0.000605
n-Butylbenzene	mg/l	*NIT*	<0.000157	<0.000157	<0.000157
sec-Butylbenzene	mg/l	*NIT*	<0.000125	<0.000125	<0.000125
tert-Butylbenzene	mg/l	*NIT*	<0.000127	<0.000127	<0.000127
Carbon tetrachloride	mg/l	*0.033*	<0.000128	<0.000128	<0.000128
Chlorobenzene	mg/l	*3.71*	<0.000116	<0.000116	<0.000116
Chlorodibromomethane	mg/l	*NIT*	<0.000140	<0.000140	<0.000140
Chloroethane	mg/l	*150*	<0.000192	<0.000192	<0.000192
Chloroform	mg/l	*0.063*	**0.000173**	**0.000141**	**0.000821**
Chloromethane	mg/l	*1.55*	<0.000960	<0.000960	<0.000960
2-Chlorotoluene	mg/l	*NIT*	<0.000106	<0.000106	<0.000106
4-Chlorotoluene	mg/l	*NIT*	<0.000114	<0.000114	<0.000114
1,2-Dibromo-3-Chloropropane	mg/l	*0.009*	<0.000276	<0.000276	<0.000276
1,2-Dibromoethane	mg/l	*0.016*	<0.000126	<0.000126	<0.000126
Dibromomethane	mg/l	*1.03*	<0.000122	<0.000122	<0.000122
1,2-Dichlorobenzene	mg/l	*27.5*	<0.000107	<0.000107	<0.000107
1,3-Dichlorobenzene	mg/l	*NE*	<0.000110	<0.000110	<0.000110
1,4-Dichlorobenzene	mg/l	*0.279*	<0.000120	<0.000120	<0.000120
Dichlorodifluoromethane	mg/l	*0.042*	<0.000374	<0.000374	<0.000374
1,1-Dichloroethane	mg/l	*0.59*	<0.000100	<0.000100	<0.000100
1,2-Dichloroethane	mg/l	*0.189*	<0.0000819	<0.0000819	<0.0000819
1,1-Dichloroethene	mg/l	*1.34*	<0.000188	<0.000188	<0.000188
cis-1,2-Dichloroethene	mg/l	*NIT*	**0.016**	**0.0148**	<0.000126
trans-1,2-Dichloroethene	mg/l	*0.802*	**0.00177**	**0.0015**	<0.000149
1,2-Dichloropropane	mg/l	*0.296*	<0.000149	<0.000149	<0.000149
1,1-Dichloropropene	mg/l	*NE*	<0.000142	<0.000142	<0.000142
1,3-Dichloropropane	mg/l	*NIT*	<0.000110	<0.000110	<0.000110
cis-1,3-Dichloropropene	mg/l	*NE*	<0.000111	<0.000111	<0.000111
trans-1,3-Dichloropropene	mg/l	*NE*	<0.000118	<0.000118	<0.000118
2,2-Dichloropropane	mg/l	*NE*	<0.000161	<0.000161	<0.000161
Di-Isopropyl Ether	mg/l	*NE*	<0.000105	<0.000105	<0.000105
Ethylbenzene	mg/l	*0.337*	**0.000256**	<0.000137	<0.000137
Hexachloro-1,3-butadiene	mg/l	*0.036*	<0.000337	<0.000337	<0.000337
n-Hexane	mg/l	*0.076*	<0.000749	<0.000749	<0.000749
Isopropylbenzene	mg/l	*10.2*	<0.000105	<0.000105	<0.000105
p-Isopropyltoluene	mg/l	*NE*	<0.000120	<0.000120	<0.000120
2-Butanone (MEK)	mg/l	*18,100*	<0.00119	<0.00119	<0.00119

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Table 2
Summary of COCs in Groundwater
Former Gasoline Filling Station
12500 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio

Sample ID		***USEPA***	**MW-01**		**MW-02**
Collection Date			10/27/2021		10/27/2021
Parameter	**Units**	***VISL***	Value	Duplicate	Value
Volatile Organic Compounds - VOCs					
Methylene Chloride	mg/l	*33.8*	<0.000430	<0.000430	<0.000430
4-Methyl-2-pentanone (MIBK)	mg/l	*5,020*	<0.000478	<0.000478	<0.000478
Methyl tert-butyl ether	mg/l	*34.3*	<0.000101	<0.000101	<0.000101
Naphthalene	mg/l	*0.559*	**0.0021**	<0.00100	<0.00100
n-Propylbenzene	mg/l	*24.8*	**0.000182**	<0.0000993	<0.0000993
Styrene	mg/l	*88.5*	<0.000118	<0.000118	<0.000118
1,1,1,2-Tetrachloroethane	mg/l	*0.4*	<0.000147	<0.000147	<0.000147
1,1,2,2-Tetrachloroethane	mg/l	*0.327*	<0.000133	<0.000133	<0.000133
Tetrachloroethene	mg/l	*0.51*	<0.000300	<0.000300	<0.000300
Toluene	mg/l	*164*	<0.000278	<0.000278	<0.000278
1,2,3-Trichlorobenzene	mg/l	*NIT*	<0.000230	<0.000230	<0.000230
1,2,4-Trichlorobenzene	mg/l	*0.432*	<0.000481	<0.000481	<0.000481
1,1,1-Trichloroethane	mg/l	*57.1*	**0.000482**	**0.000393**	<0.000149
1,1,2-Trichloroethane	mg/l	*0.055*	<0.000158	<0.000158	<0.000158
Trichloroethene	mg/l	*0.0416*	**0.101**	**0.0866**	<0.000190
Trichlorofluoromethane	mg/l	*NIT*	<0.000160	<0.000160	<0.000160
1,2,3-Trichloropropane	mg/l	*0.004*	<0.000237	<0.000237	<0.000237
1,2,4-Trimethylbenzene	mg/l	*2.63*	**0.00198**	<0.000322	<0.000322
1,3,5-Trimethylbenzene	mg/l	*1.84*	<0.000104	<0.000104	<0.000104
Vinyl chloride	mg/l	*0.035*	<0.000234	<0.000234	<0.000234
Xylenes, Total	mg/l	*3.6*	**0.000813**	<0.000174	<0.000174

Notes

mg/l = Milligrams per liter - parts per million (ppm).

USEPA VISL Target Groundwater Concentration for Commercial Use.

NE: No standard established by Ohio EPA; **NSV**: Not sufficiently volatile; **NIT**: No inhalation toxicity.

Bold numbers indicate a concentration above laboratory detection limits.

Bold and shaded numbers indicate a concentration above a comparison standard.

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APPENDIX A
GROUND PENETRATING RADAR DOCUMENTATION

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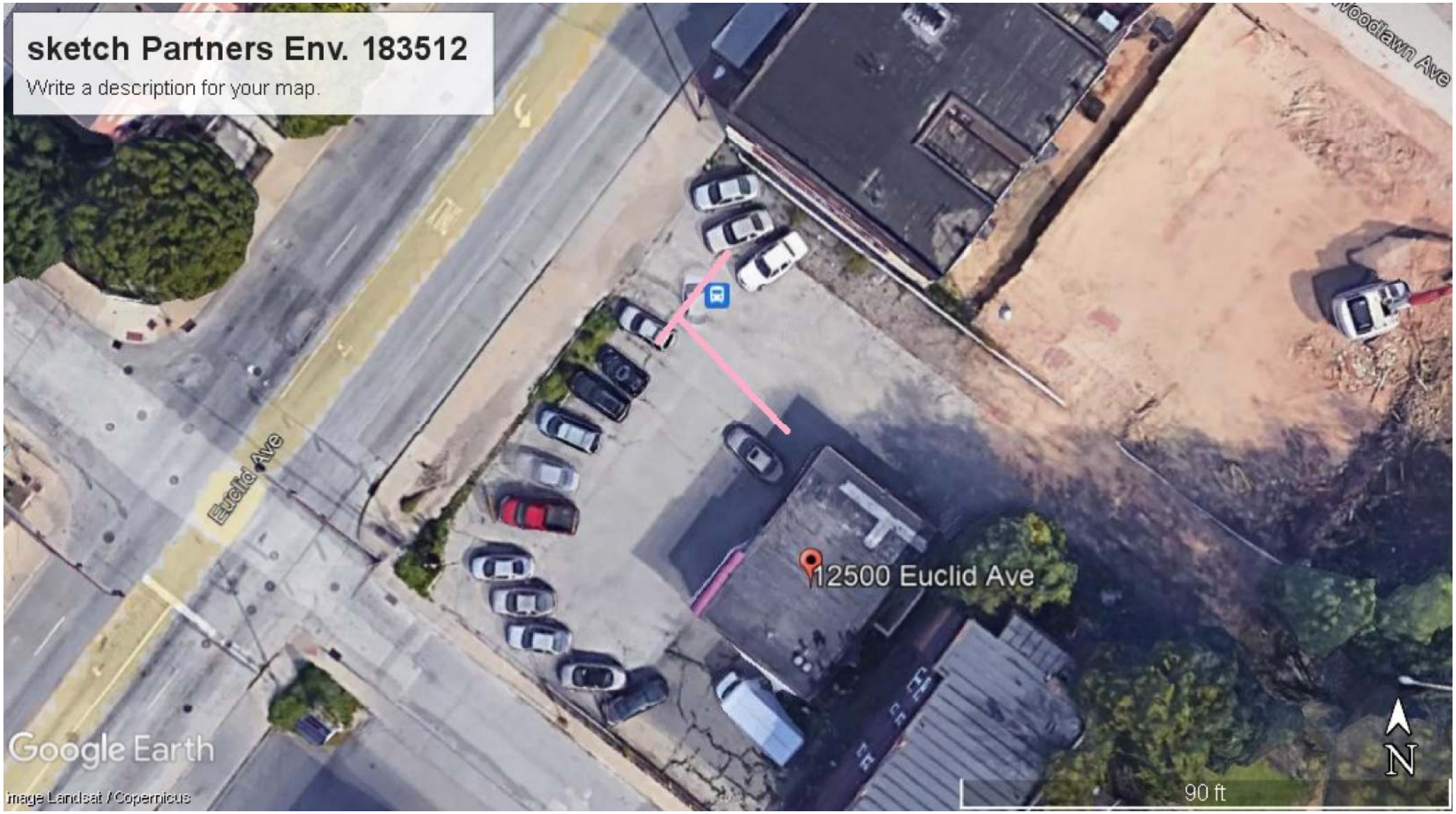
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APPENDIX B
SOIL BORING AND MONITORING WELL LOGS

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PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-01

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	12 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.3 feet (encounter)
Driller:	Cody	Backfill Material:	Bentonite
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	N/A	50%	0.1		ASPHALT (3") FILL: Brown sandy CLAY, moist, no odors or staining.	
2.0							
	2-4'	**N/A**	**50%**	**0.2**			
4.0						Brown fine SAND with varying amounts of silt, moist, no odors or staining.	SP-SM
	4-6'	NA	40%	0.2			
6.0							
	6-8'	NA	40%	0.0		Very moist at 7.8 feet.	
8.0							
	8-10'	**NA**	**100%**	**1.3**			
10.0						Brown fine to medium SAND with gravel (3") then brown fine SAND, very loose, wet, no odors or staining.	SP
	10-12'	NA	100%	0.1			
12.0							
						Direct Push sampling terminated at 12 feet bgs. Sample interval shown in **bold** submitted for laboratory analysis.	
14.0							
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-02

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	12 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8 feet (encounter)
Driller:	Cody	Backfill Material:	Bentonite
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	**N/A**	**70%**	**0.0**		ASPHALT (3") GRAVEL BASE (3")	
2.0							
	2-4'	N/A	70%	0.0			
4.0						Brown fine SAND with varying amounts of silt, moist, no odors or staining.	SP-SM
	4-6'	NA	60%	0.0			
6.0							
	6-8'	**NA**	**60%**	**0.0**			
8.0							
	8-10'	NA	80%	0.1		Wet at 8 feet, very loose 8 to 10.5 feet.	
10.0							
	10-12'	NA	80%	0.4		Weathered gray SHALE, moist, no odors or staining.	
12.0							
14.0						Direct Push sampling terminated at 12 feet bgs. Sample interval shown in **bold** submitted for laboratory analysis.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-03

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	12 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.2 feet (encounter)
Driller:	Cody	Backfill Material:	Bentonite
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	**N/A**	**50%**	**1.5**		ASPHALT (3") GRAVEL BASE (4") FILL: Brown fine SAND with silt and trace brick, moist, no odors or staining.	
2.0							
	2-4'	N/A	50%	1.0			
4.0						Brown fine SAND with varying amounts of silt, moist, no odors or staining.	SP-SM
	4-6'	NA	70%	0.7			
6.0							
	6-8'	**NA**	**70%**	**0.8**			
8.0						(8.2 feet)	
	8-10'	NA	100%	1.2			
10.0						Brown fine to medium SAND, very loose, wet, no odors or staining.	SP
	10-12'	NA	100%	0.1			
12.0						Brown fine to coarse SAND with gravel, dense, moist, no odors or staining.	SW
						Direct Push sampling terminated at 12 feet bgs.	
14.0						Sample interval shown in **bold** submitted for laboratory analysis.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-04

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	12 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	Not Applicable
Driller:	Cody	Backfill Material:	Bentonite
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
	0-2'	N/A	0%	-		ASPHALT (3")	
2.0						No recovery at 3 locations. Hitting concrete and brick fill debris near the dispenser; jamming in sampler.	
	2-4'	N/A	0%	-			
4.0							
	4-6'	**NA**	**50%**	**0.7**			
6.0							
	6-8'	**NA**	**50%**	**0.5**		Brown fine to medium SAND with varying amounts of silt and some clay, moist to very moist, very loose 7 to 10.2 feet, no odors or staining.	SP-SM
8.0							
	8-10'	NA	20%	0.3			
10.0						(10.2 feet)	
	10-12'	NA	80%	0.6		Weathered gray SHALE, moist, no odors or staining.	
12.0							
						Direct Push sampling terminated at 12 feet bgs.	
14.0						Sample interval shown in **bold** submitted for laboratory analysis.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-05

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	11 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8.5 feet (encounter)
Driller:	Cody	Backfill Material:	Bentonite
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	0-2'	N/A	70%	1.3		CONCRETE (4") FILL: Brown fine SAND with gravel and brick fragments, moist no odors or staining.	
4.0	2-4'	N/A	70%	1.0		(2.75 feet)	
6.0	4-6'	NA	80%	1.2		Brown fine SAND with some silt in layers, moist, petroleum odors at 6 feet, no staining.	SP
8.0	**6-8'**	**NA**	**80%**	**102.5**		(7.7 feet)	
	8-10'	**NA**	**90%**	**308.9**		Gray stained fine SAND, petroleum odor, very loose and wet 8.5 to 9.2 feet, sheen. (9.2 feet)	SP
10.0						Brown fine SAND, very loose, wet, petroleum odor, sheen. (10.2 feet)	SP
12.0	10-12'	NA	90%	3.6		Weathered gray SHALE, moist, no odors or staining.	
14.0						Direct Push sampling terminated at 11 feet bgs due to sampler refusal. Sample interval shown in **bold** submitted for laboratory analysis.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE LOG

SB-06

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	11 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	8 feet (encounter)
Driller:	Cody	Backfill Material:	Bentonite
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification
2.0	**0-2'**	**N/A**	**40%**	**0.8**		CONCRETE (4") FILL: Brown fine SAND with trace slag and brick fragments, moist no odors or staining. (1.8 feet)	
4.0	2-4'	N/A	40%	0.3		Brown fine SAND with some medium sand and silt, moist, no odors or staining.	SP
6.0	4-6'	NA	70%	0.3			
8.0	6-8'	NA	70%	0.4			
10.0	**8-10'**	**NA**	**80%**	**0.3**		Brown fine to medium SAND with some gravel, loose, wet, no odors or staining. (10.2 feet)	SP
12.0	10-12'	NA	80%	0.3		Weathered gray SHALE, moist, no odors or staining.	
14.0						Direct Push sampling terminated at 11 feet bgs due to sampler refusal. Sample interval shown in **bold** submitted for laboratory analysis.	
16.0							
18.0							
20.0							
22.0							
24.0							

LEGEND

- Clay/Silty Clay
- Silt/Clayey Silt
- Sandy Clay/Clayey Sand
- Silty Sand
- Fine Sand
- Medium Sand
- Coarse Sand
- Fill/Backfill
- Decomposed Rock/Bedrock

PARTNERS ENVIRONMENTAL CONSULTING, INC

SOIL BOREHOLE / TEMPORARY WELL CONSTRUCTION LOG

MW-01

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	13 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	NA (encounter) / 10.6 ft bgs (completion)
Driller:	Cody	Backfill Material:	Monitoring Well
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
	0-2'	NA	60%	1.5		ASPHALT (3") GRAVEL BASE (5")				
2.0										
	2-4'	NA	60%	0.7						
4.0										
	4-6'	**NA**	**70%**	**0.6**		Brown fine SAND with varying amounts of silt, moist, no odors or staining.	SP	Bentonite		1-inch PVC well riser
6.0										
	6-8'	NA	70%	1.0						
8.0										
	8-10'	**NA**	**80%**	**1.5**		Gray CLAY with black mottles, moist, no odors or staining. (8.2 to 8.8 feet)	CL	Sand filter pack		
10.0										
	10-12'	NA	80%	0.9		Brown fine to medium SAND with some gravel, moist to very moist, no odors or staining.	SP			1-inch PVC well screen
12.0										
14.0										
16.0						Direct Push sampling terminated at 12 feet bgs. 1-inch diameter PVC well with a 5-foot screen set at a depth of approximately 13 feet bgs with expendable point tooling.				
18.0						Temporary well removed and borehole sealed with bentonite upon completion of groundwater sampling.				
20.0										
22.0										
24.0										

LEGEND

- Clay/Silty Clay
- Coarse Sand
- Medium Sand
- Silt
- Silty Sand
- Fine Sand
- Sandy Clay
- Backfill

N/A = Not applicable

▼ Static Water Level

▽ Initial Water Level

PARTNERS ENVIRONMENTAL CONSULTING, INC

SOIL BOREHOLE / TEMPORARY WELL CONSTRUCTION LOG

TMW-02

Client:	CCLRC-12500 Euclid Avenue	Location:	See site map
Date Drilled:	10/26/2021	Total Depth:	11.5 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	9.7 ft bgs (encounter) / 10.6 ft bgs (completion)
Driller:	Cody	Backfill Material:	Monitoring Well
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
	0-2'	**NA**	**50%**	**1.4**		ASPHALT (3") GRAVEL BASE (2")		Bentonite		1-inch PVC well riser
2.0										
	2-4'	**NA**	**50%**	**0.7**						
4.0										
	4-6'	NA	60%	0.5		Brown fine SAND with varying amounts of silt, stiff sandy clay seam (2") at 7.5 feet, very loose and wet from 9.7 to 10.8 feet, no odors or staining.	SP	Sand filter pack		
6.0										
	6-8'	NA	60%	0.7						1-inch PVC well screen
8.0										
	8-10'	NA	50%	0.4						
10.0										
	10-12'	NA	30%	0.5		(10.8 feet)				
						Weathered gray SHALE, dry, no odors or staining.				
12.0										
14.0										
						Direct Push sampling terminated at 11.5 feet bgs due to refusal.				
16.0						1-inch diameter PVC well with a 5-foot screen set at a depth of approximately 11.5 feet bgs with expendable point tooling.				
18.0						Temporary well removed and borehole sealed with bentonite upon completion of groundwater sampling.				
20.0										
22.0										
24.0										

LEGEND

- Clay/Silty Clay
- Coarse Sand
- Medium Sand
- Silt
- Silty Sand
- Fine Sand
- Sandy Clay
- Backfill

N/A = Not applicable

▼ Static Water Level

▽ Initial Water Level

APPENDIX C
LABORATORY ANALYTICAL REPORTS

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ANALYTICAL REPORT

December 13, 2021

Revised Report

Partners Environmental Consulting

Sample Delivery Group:	L1424325
Samples Received:	10/29/2021
Project Number:	896.118
Description:	CCLRC-12500 Euclis Avenue
Report To:	Valerie Weir 31100 Solon Road, Ste. G Solon, OH 44139

Entire Report Reviewed By:

Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SB-01 (2-4FT) L1424325-01 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/30/21 23:42	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1767559	1	10/30/21 00:40	11/02/21 20:17	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/04/21 00:07	JAS	Mt. Juliet, TN

SB-01 (8-10FT) L1424325-02 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 00:04	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1767559	1	10/30/21 00:40	11/02/21 20:36	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 22:00	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1769931	1	11/07/21 14:42	11/08/21 03:21	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1769470	1	11/05/21 13:04	11/05/21 18:46	AAT	Mt. Juliet, TN

SB-02 (0-2FT) L1424325-03 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 00:26	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1767559	1	10/30/21 00:40	11/02/21 20:55	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/04/21 00:20	JAS	Mt. Juliet, TN

SB-02 (6-8FT) L1424325-04 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 05:33	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1767559	1	10/30/21 00:40	11/02/21 21:14	DWR	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 22:13	JAS	Mt. Juliet, TN

SB-03 (0-2FT) L1424325-05 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 00:48	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/03/21 22:34	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/04/21 00:32	JAS	Mt. Juliet, TN

SB-03 (6-8FT) L1424325-06 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 01:10	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/03/21 22:53	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 22:25	JAS	Mt. Juliet, TN

SB-03 (6-8FT) L1424325-06 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Polychlorinated Biphenyls (GC) by Method 8082	WG1769931	1	11/07/21 14:42	11/08/21 03:32	JMB	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1769470	1	11/05/21 13:04	11/05/21 19:04	AAT	Mt. Juliet, TN

SB-04 (4-6FT) L1424325-07 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 01:32	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/03/21 23:12	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 22:38	JAS	Mt. Juliet, TN

SB-04 (6-8FT) L1424325-08 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 01:54	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/03/21 23:31	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 22:51	JAS	Mt. Juliet, TN

SB-05 (6-8FT) L1424325-09 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766883	1	11/02/21 12:03	11/02/21 12:12	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 02:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/03/21 23:50	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	10	11/03/21 16:32	11/04/21 01:10	JAS	Mt. Juliet, TN

SB-05 (8-10FT) L1424325-10 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 02:38	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 00:09	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	10	11/03/21 16:32	11/04/21 00:58	JAS	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	20	11/03/21 16:32	11/04/21 10:55	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1769931	1	11/07/21 14:42	11/08/21 03:42	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1769931	5	11/07/21 14:42	11/10/21 16:28	MTJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1769470	1	11/05/21 13:04	11/05/21 20:15	AAT	Mt. Juliet, TN

SB-05 (8-10FT) DUPLICATE L1424325-11 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 03:00	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 00:28	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1783638	25	12/03/21 18:20	12/04/21 14:21	JAS	Mt. Juliet, TN

SB-05 (8-10FT) DUPLICATE L1424325-11 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1783638	5	12/03/21 18:20	12/04/21 10:36	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1769931	1	11/07/21 14:42	11/08/21 03:52	JMB	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1769931	2	11/07/21 14:42	11/10/21 16:19	MTJ	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1769470	1	11/05/21 13:04	11/05/21 21:10	AAT	Mt. Juliet, TN

SB-06 (0-2FT) L1424325-12 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 03:22	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 00:47	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1783638	1	12/03/21 18:20	12/04/21 13:56	JAS	Mt. Juliet, TN

SB-06 (8-10FT) L1424325-13 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 03:44	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 01:06	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 23:03	JAS	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1769931	1	11/07/21 14:42	11/08/21 04:03	JMB	Mt. Juliet, TN

MW-01 (4-6FT) L1424325-14 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 04:06	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 01:25	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 23:16	JAS	Mt. Juliet, TN

MW-01 (8-10FT) L1424325-15 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 04:27	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 01:44	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 23:29	JAS	Mt. Juliet, TN

MW-02 (0-2FT) L1424325-16 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 04:49	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 02:03	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/04/21 00:45	JAS	Mt. Juliet, TN

MW-02 (2-4FT) L1424325-17 Solid

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1766889	1	11/02/21 11:53	11/02/21 12:00	CMK	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015B	WG1766195	25	10/30/21 00:40	10/31/21 05:11	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768143	1	10/30/21 00:40	11/04/21 02:22	ACG	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015B	WG1768215	1	11/03/21 16:32	11/03/21 23:41	JAS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1769470	1	11/05/21 13:04	11/05/21 21:27	AAT	Mt. Juliet, TN

MW-01 L1424325-18 GW

Collected by: Tom Weir | Collected date/time: 10/27/21 14:32 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1766535	1	10/31/21 19:19	10/31/21 19:19	ACG	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1768174	1	11/03/21 23:50	11/03/21 23:50	BMB	Mt. Juliet, TN

MW-01 DUPLICATE L1424325-19 GW

Collected by: Tom Weir | Collected date/time: 10/27/21 14:32 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1769883	1	11/06/21 15:34	11/06/21 15:34	BMB	Mt. Juliet, TN

MW-02 L1424325-20 GW

Collected by: Tom Weir | Collected date/time: 10/27/21 14:58 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1769883	1	11/06/21 15:55	11/06/21 15:55	BMB	Mt. Juliet, TN

EQP-102621 L1424325-21 GW

Collected by: Tom Weir | Collected date/time: 10/26/21 15:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1767486	1	11/02/21 20:29	11/02/21 20:29	ACG	Mt. Juliet, TN
Polychlorinated Biphenyls (GC) by Method 8082	WG1770725	1	11/05/21 06:37	11/05/21 20:51	AO	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1766300	1	11/02/21 16:47	11/02/21 23:13	AAT	Mt. Juliet, TN

EQP-102721 L1424325-22 GW

Collected by: Tom Weir | Collected date/time: 10/27/21 13:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1769883	1	11/06/21 16:15	11/06/21 16:15	BMB	Mt. Juliet, TN

TRIP-102621 L1424325-23 GW

Collected by: Tom Weir | Collected date/time: 10/26/21 00:00 | Received date/time: 10/29/21 13:50

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1767486	1	11/02/21 15:44	11/02/21 15:44	ACG	Mt. Juliet, TN

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Heather J Wagner
Project Manager

Report Revision History

Level II Report - Version 1: 11/11/21 10:22

Project Narrative

Revised Report: Revised to report the resuls from a re-analysis of samples SB-05 (8-10FT) DUPLICATE (L1424325-11) and SB-06 (0-2FT) (L1424325-12). The samples were re-analyzed to confirm sample ID and these samples were determined to have been switched during sample prep at the lab. This report replaces the report issued 11/11/2021.

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.12	3.31	25	10/30/2021 23:42	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*		*10/30/2021 23:42*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0483	0.0662	1	11/02/2021 20:17	WG1767559
Acrylonitrile	U		0.00478	0.0165	1	11/02/2021 20:17	WG1767559
Benzene	U		0.000618	0.00132	1	11/02/2021 20:17	WG1767559
Bromobenzene	U		0.00119	0.0165	1	11/02/2021 20:17	WG1767559
Bromodichloromethane	U		0.000960	0.00331	1	11/02/2021 20:17	WG1767559
Bromoform	U		0.00155	0.0331	1	11/02/2021 20:17	WG1767559
Bromomethane	U		0.00261	0.0165	1	11/02/2021 20:17	WG1767559
n-Butylbenzene	U		0.00695	0.0165	1	11/02/2021 20:17	WG1767559
sec-Butylbenzene	U		0.00381	0.0165	1	11/02/2021 20:17	WG1767559
tert-Butylbenzene	U		0.00258	0.00662	1	11/02/2021 20:17	WG1767559
Carbon tetrachloride	U		0.00119	0.00662	1	11/02/2021 20:17	WG1767559
Chlorobenzene	U		0.000278	0.00331	1	11/02/2021 20:17	WG1767559
Chlorodibromomethane	U		0.000810	0.00331	1	11/02/2021 20:17	WG1767559
Chloroethane	U		0.00225	0.00662	1	11/02/2021 20:17	WG1767559
Chloroform	U		0.00136	0.00331	1	11/02/2021 20:17	WG1767559
Chloromethane	U		0.00576	0.0165	1	11/02/2021 20:17	WG1767559
2-Chlorotoluene	U		0.00115	0.00331	1	11/02/2021 20:17	WG1767559
4-Chlorotoluene	U		0.000596	0.00662	1	11/02/2021 20:17	WG1767559
1,2-Dibromo-3-Chloropropane	U		0.00516	0.0331	1	11/02/2021 20:17	WG1767559
1,2-Dibromoethane	U		0.000858	0.00331	1	11/02/2021 20:17	WG1767559
Dibromomethane	U		0.000993	0.00662	1	11/02/2021 20:17	WG1767559
1,2-Dichlorobenzene	U		0.000563	0.00662	1	11/02/2021 20:17	WG1767559
1,3-Dichlorobenzene	U		0.000794	0.00662	1	11/02/2021 20:17	WG1767559
1,4-Dichlorobenzene	U		0.000927	0.00662	1	11/02/2021 20:17	WG1767559
Dichlorodifluoromethane	U		0.00213	0.00331	1	11/02/2021 20:17	WG1767559
1,1-Dichloroethane	U		0.000650	0.00331	1	11/02/2021 20:17	WG1767559
1,2-Dichloroethane	U		0.000859	0.00331	1	11/02/2021 20:17	WG1767559
1,1-Dichloroethene	U		0.000802	0.00331	1	11/02/2021 20:17	WG1767559
cis-1,2-Dichloroethene	U		0.000972	0.00331	1	11/02/2021 20:17	WG1767559
trans-1,2-Dichloroethene	U		0.00138	0.00662	1	11/02/2021 20:17	WG1767559
1,2-Dichloropropane	U		0.00188	0.00662	1	11/02/2021 20:17	WG1767559
1,1-Dichloropropene	U		0.00107	0.00331	1	11/02/2021 20:17	WG1767559
1,3-Dichloropropane	U		0.000663	0.00662	1	11/02/2021 20:17	WG1767559
cis-1,3-Dichloropropene	U		0.00100	0.00331	1	11/02/2021 20:17	WG1767559
trans-1,3-Dichloropropene	U		0.00151	0.00662	1	11/02/2021 20:17	WG1767559
2,2-Dichloropropane	U		0.00183	0.00331	1	11/02/2021 20:17	WG1767559
Di-isopropyl ether	U		0.000543	0.00132	1	11/02/2021 20:17	WG1767559
Ethylbenzene	U		0.000976	0.00331	1	11/02/2021 20:17	WG1767559
Hexachloro-1,3-butadiene	U		0.00794	0.0331	1	11/02/2021 20:17	WG1767559
n-Hexane	U		0.00299	0.00662	1	11/02/2021 20:17	WG1767559
Isopropylbenzene	U		0.000563	0.00331	1	11/02/2021 20:17	WG1767559
p-Isopropyltoluene	U		0.00338	0.00662	1	11/02/2021 20:17	WG1767559
2-Butanone (MEK)	0.131	B J	0.0841	0.132	1	11/02/2021 20:17	WG1767559

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.00879	0.0331	1	11/02/2021 20:17	WG1767559
4-Methyl-2-pentanone (MIBK)	U		0.00302	0.0331	1	11/02/2021 20:17	WG1767559
Methyl tert-butyl ether	U		0.000463	0.00132	1	11/02/2021 20:17	WG1767559
Naphthalene	U		0.00646	0.0165	1	11/02/2021 20:17	WG1767559
n-Propylbenzene	U		0.00126	0.00662	1	11/02/2021 20:17	WG1767559
Styrene	U		0.000303	0.0165	1	11/02/2021 20:17	WG1767559
1,1,1,2-Tetrachloroethane	U		0.00126	0.00331	1	11/02/2021 20:17	WG1767559
1,1,2,2-Tetrachloroethane	U		0.000920	0.00331	1	11/02/2021 20:17	WG1767559
Tetrachloroethene	U		0.00119	0.00331	1	11/02/2021 20:17	WG1767559
Toluene	U		0.00172	0.00662	1	11/02/2021 20:17	WG1767559
1,2,3-Trichlorobenzene	U		0.00970	0.0165	1	11/02/2021 20:17	WG1767559
1,2,4-Trichlorobenzene	U		0.00582	0.0165	1	11/02/2021 20:17	WG1767559
1,1,1-Trichloroethane	U		0.00122	0.00331	1	11/02/2021 20:17	WG1767559
1,1,2-Trichloroethane	U		0.000790	0.00331	1	11/02/2021 20:17	WG1767559
Trichloroethene	U		0.000773	0.00132	1	11/02/2021 20:17	WG1767559
Trichlorofluoromethane	U		0.00109	0.00331	1	11/02/2021 20:17	WG1767559
1,2,3-Trichloropropane	U		0.00214	0.0165	1	11/02/2021 20:17	WG1767559
1,2,4-Trimethylbenzene	U		0.00209	0.00662	1	11/02/2021 20:17	WG1767559
1,3,5-Trimethylbenzene	U		0.00265	0.00662	1	11/02/2021 20:17	WG1767559
Vinyl chloride	U		0.00154	0.00331	1	11/02/2021 20:17	WG1767559
Xylenes, Total	U		0.00116	0.00860	1	11/02/2021 20:17	WG1767559
(S) Toluene-d8	*101*			*75.0-131*		*11/02/2021 20:17*	WG1767559
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*11/02/2021 20:17*	WG1767559
(S) 1,2-Dichloroethane-d4	*110*			*70.0-130*		*11/02/2021 20:17*	WG1767559

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	0.793	J	0.698	4.58	1	11/04/2021 00:07	WG1768215
C20-C34 Hydrocarbons	3.68	J	0.699	4.58	1	11/04/2021 00:07	WG1768215
(S) o-Terphenyl	*62.6*			*18.0-148*		*11/04/2021 00:07*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.6		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.16	3.41	25	10/31/2021 00:04	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*94.5*			*77.0-120*		*10/31/2021 00:04*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0498	0.0683	1	11/02/2021 20:36	WG1767559
Acrylonitrile	U		0.00493	0.0171	1	11/02/2021 20:36	WG1767559
Benzene	U		0.000638	0.00137	1	11/02/2021 20:36	WG1767559
Bromobenzene	U		0.00123	0.0171	1	11/02/2021 20:36	WG1767559
Bromodichloromethane	U		0.000990	0.00341	1	11/02/2021 20:36	WG1767559
Bromoform	U		0.00160	0.0341	1	11/02/2021 20:36	WG1767559
Bromomethane	U		0.00269	0.0171	1	11/02/2021 20:36	WG1767559
n-Butylbenzene	U		0.00717	0.0171	1	11/02/2021 20:36	WG1767559
sec-Butylbenzene	U		0.00393	0.0171	1	11/02/2021 20:36	WG1767559
tert-Butylbenzene	U		0.00266	0.00683	1	11/02/2021 20:36	WG1767559
Carbon tetrachloride	U		0.00123	0.00683	1	11/02/2021 20:36	WG1767559
Chlorobenzene	U		0.000287	0.00341	1	11/02/2021 20:36	WG1767559
Chlorodibromomethane	U		0.000835	0.00341	1	11/02/2021 20:36	WG1767559
Chloroethane	U		0.00232	0.00683	1	11/02/2021 20:36	WG1767559
Chloroform	U		0.00141	0.00341	1	11/02/2021 20:36	WG1767559
Chloromethane	U		0.00594	0.0171	1	11/02/2021 20:36	WG1767559
2-Chlorotoluene	U		0.00118	0.00341	1	11/02/2021 20:36	WG1767559
4-Chlorotoluene	U		0.000614	0.00683	1	11/02/2021 20:36	WG1767559
1,2-Dibromo-3-Chloropropane	U		0.00532	0.0341	1	11/02/2021 20:36	WG1767559
1,2-Dibromoethane	U		0.000885	0.00341	1	11/02/2021 20:36	WG1767559
Dibromomethane	U		0.00102	0.00683	1	11/02/2021 20:36	WG1767559
1,2-Dichlorobenzene	U		0.000580	0.00683	1	11/02/2021 20:36	WG1767559
1,3-Dichlorobenzene	U		0.000819	0.00683	1	11/02/2021 20:36	WG1767559
1,4-Dichlorobenzene	U		0.000956	0.00683	1	11/02/2021 20:36	WG1767559
Dichlorodifluoromethane	U		0.00220	0.00341	1	11/02/2021 20:36	WG1767559
1,1-Dichloroethane	U		0.000670	0.00341	1	11/02/2021 20:36	WG1767559
1,2-Dichloroethane	U		0.000886	0.00341	1	11/02/2021 20:36	WG1767559
1,1-Dichloroethene	U		0.000827	0.00341	1	11/02/2021 20:36	WG1767559
cis-1,2-Dichloroethene	0.00586		0.00100	0.00341	1	11/02/2021 20:36	WG1767559
trans-1,2-Dichloroethene	U		0.00142	0.00683	1	11/02/2021 20:36	WG1767559
1,2-Dichloropropane	U		0.00194	0.00683	1	11/02/2021 20:36	WG1767559
1,1-Dichloropropene	U		0.00110	0.00341	1	11/02/2021 20:36	WG1767559
1,3-Dichloropropane	U		0.000684	0.00683	1	11/02/2021 20:36	WG1767559
cis-1,3-Dichloropropene	U		0.00103	0.00341	1	11/02/2021 20:36	WG1767559
trans-1,3-Dichloropropene	U		0.00156	0.00683	1	11/02/2021 20:36	WG1767559
2,2-Dichloropropane	U		0.00188	0.00341	1	11/02/2021 20:36	WG1767559
Di-isopropyl ether	U		0.000560	0.00137	1	11/02/2021 20:36	WG1767559
Ethylbenzene	U		0.00101	0.00341	1	11/02/2021 20:36	WG1767559
Hexachloro-1,3-butadiene	U		0.00819	0.0341	1	11/02/2021 20:36	WG1767559
n-Hexane	U		0.00309	0.00683	1	11/02/2021 20:36	WG1767559
Isopropylbenzene	U		0.000580	0.00341	1	11/02/2021 20:36	WG1767559
p-Isopropyltoluene	U		0.00348	0.00683	1	11/02/2021 20:36	WG1767559
2-Butanone (MEK)	U		0.0867	0.137	1	11/02/2021 20:36	WG1767559

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.00906	0.0341	1	11/02/2021 20:36	WG1767559
4-Methyl-2-pentanone (MIBK)	U		0.00311	0.0341	1	11/02/2021 20:36	WG1767559
Methyl tert-butyl ether	U		0.000478	0.00137	1	11/02/2021 20:36	WG1767559
Naphthalene	U		0.00666	0.0171	1	11/02/2021 20:36	WG1767559
n-Propylbenzene	U		0.00130	0.00683	1	11/02/2021 20:36	WG1767559
Styrene	U		0.000313	0.0171	1	11/02/2021 20:36	WG1767559
1,1,1,2-Tetrachloroethane	U		0.00129	0.00341	1	11/02/2021 20:36	WG1767559
1,1,2,2-Tetrachloroethane	U		0.000949	0.00341	1	11/02/2021 20:36	WG1767559
Tetrachloroethene	U		0.00122	0.00341	1	11/02/2021 20:36	WG1767559
Toluene	U		0.00177	0.00683	1	11/02/2021 20:36	WG1767559
1,2,3-Trichlorobenzene	U		0.0100	0.0171	1	11/02/2021 20:36	WG1767559
1,2,4-Trichlorobenzene	U		0.00601	0.0171	1	11/02/2021 20:36	WG1767559
1,1,1-Trichloroethane	U		0.00126	0.00341	1	11/02/2021 20:36	WG1767559
1,1,2-Trichloroethane	U		0.000815	0.00341	1	11/02/2021 20:36	WG1767559
Trichloroethene	0.133		0.000797	0.00137	1	11/02/2021 20:36	WG1767559
Trichlorofluoromethane	U		0.00113	0.00341	1	11/02/2021 20:36	WG1767559
1,2,3-Trichloropropane	U		0.00221	0.0171	1	11/02/2021 20:36	WG1767559
1,2,4-Trimethylbenzene	U		0.00216	0.00683	1	11/02/2021 20:36	WG1767559
1,3,5-Trimethylbenzene	U		0.00273	0.00683	1	11/02/2021 20:36	WG1767559
Vinyl chloride	U		0.00158	0.00341	1	11/02/2021 20:36	WG1767559
Xylenes, Total	U		0.00120	0.00887	1	11/02/2021 20:36	WG1767559
(S) Toluene-d8	*101*			*75.0-131*		*11/02/2021 20:36*	WG1767559
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/02/2021 20:36*	WG1767559
(S) 1,2-Dichloroethane-d4	*108*			*70.0-130*		*11/02/2021 20:36*	WG1767559

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	0.714	J	0.712	4.67	1	11/03/2021 22:00	WG1768215
C20-C34 Hydrocarbons	1.88	J	0.714	4.67	1	11/03/2021 22:00	WG1768215
(S) o-Terphenyl	*51.9*			*18.0-148*		*11/03/2021 22:00*	WG1768215

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0138	0.0397	1	11/08/2021 03:21	WG1769931
PCB 1221	U		0.0138	0.0397	1	11/08/2021 03:21	WG1769931
PCB 1232	U		0.0138	0.0397	1	11/08/2021 03:21	WG1769931
PCB 1242	U		0.0138	0.0397	1	11/08/2021 03:21	WG1769931
PCB 1248	U		0.00862	0.0199	1	11/08/2021 03:21	WG1769931
PCB 1254	U		0.00862	0.0199	1	11/08/2021 03:21	WG1769931
PCB 1260	0.0321		0.00862	0.0199	1	11/08/2021 03:21	WG1769931
(S) Decachlorobiphenyl	*65.9*			*10.0-135*		*11/08/2021 03:21*	WG1769931
(S) Tetrachloro-m-xylene	*75.6*			*10.0-139*		*11/08/2021 03:21*	WG1769931

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00269	0.00701	1	11/05/2021 18:46	WG1769470
Acenaphthene	U		0.00244	0.00701	1	11/05/2021 18:46	WG1769470
Acenaphthylene	U		0.00252	0.00701	1	11/05/2021 18:46	WG1769470
Benzo(a)anthracene	0.00521	J	0.00202	0.00701	1	11/05/2021 18:46	WG1769470
Benzo(a)pyrene	0.00744		0.00209	0.00701	1	11/05/2021 18:46	WG1769470
Benzo(b)fluoranthene	0.0109		0.00179	0.00701	1	11/05/2021 18:46	WG1769470
Benzo(g,h,i)perylene	0.00830		0.00207	0.00701	1	11/05/2021 18:46	WG1769470

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	0.00426	J	0.00251	0.00701	1	11/05/2021 18:46	WG1769470
Chrysene	0.00646	J	0.00271	0.00701	1	11/05/2021 18:46	WG1769470
Dibenz(a,h)anthracene	U		0.00201	0.00701	1	11/05/2021 18:46	WG1769470
Fluoranthene	0.00420	J	0.00265	0.00701	1	11/05/2021 18:46	WG1769470
Fluorene	U		0.00239	0.00701	1	11/05/2021 18:46	WG1769470
Indeno(1,2,3-cd)pyrene	0.00764		0.00211	0.00701	1	11/05/2021 18:46	WG1769470
Naphthalene	U		0.00477	0.0234	1	11/05/2021 18:46	WG1769470
Phenanthrene	U		0.00270	0.00701	1	11/05/2021 18:46	WG1769470
Pyrene	0.00437	J	0.00234	0.00701	1	11/05/2021 18:46	WG1769470
1-Methylnaphthalene	U		0.00524	0.0234	1	11/05/2021 18:46	WG1769470
2-Methylnaphthalene	U		0.00499	0.0234	1	11/05/2021 18:46	WG1769470
2-Chloronaphthalene	U		0.00544	0.0234	1	11/05/2021 18:46	WG1769470
(S) Nitrobenzene-d5	*68.6*			*14.0-149*		*11/05/2021 18:46*	WG1769470
(S) 2-Fluorobiphenyl	*83.7*			*34.0-125*		*11/05/2021 18:46*	WG1769470
(S) p-Terphenyl-d14	*103*			*23.0-120*		*11/05/2021 18:46*	WG1769470

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.4		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.14	3.36	25	10/31/2021 00:26	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*94.0*			*77.0-120*		*10/31/2021 00:26*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0490	0.0671	1	11/02/2021 20:55	WG1767559
Acrylonitrile	U		0.00485	0.0168	1	11/02/2021 20:55	WG1767559
Benzene	U		0.000627	0.00134	1	11/02/2021 20:55	WG1767559
Bromobenzene	U		0.00121	0.0168	1	11/02/2021 20:55	WG1767559
Bromodichloromethane	U		0.000973	0.00336	1	11/02/2021 20:55	WG1767559
Bromoform	U		0.00157	0.0336	1	11/02/2021 20:55	WG1767559
Bromomethane	U		0.00264	0.0168	1	11/02/2021 20:55	WG1767559
n-Butylbenzene	U		0.00705	0.0168	1	11/02/2021 20:55	WG1767559
sec-Butylbenzene	U		0.00387	0.0168	1	11/02/2021 20:55	WG1767559
tert-Butylbenzene	U		0.00262	0.00671	1	11/02/2021 20:55	WG1767559
Carbon tetrachloride	U		0.00121	0.00671	1	11/02/2021 20:55	WG1767559
Chlorobenzene	U		0.000282	0.00336	1	11/02/2021 20:55	WG1767559
Chlorodibromomethane	U		0.000822	0.00336	1	11/02/2021 20:55	WG1767559
Chloroethane	U		0.00228	0.00671	1	11/02/2021 20:55	WG1767559
Chloroform	U		0.00138	0.00336	1	11/02/2021 20:55	WG1767559
Chloromethane	U		0.00584	0.0168	1	11/02/2021 20:55	WG1767559
2-Chlorotoluene	U		0.00116	0.00336	1	11/02/2021 20:55	WG1767559
4-Chlorotoluene	U		0.000604	0.00671	1	11/02/2021 20:55	WG1767559
1,2-Dibromo-3-Chloropropane	U		0.00524	0.0336	1	11/02/2021 20:55	WG1767559
1,2-Dibromoethane	U		0.000870	0.00336	1	11/02/2021 20:55	WG1767559
Dibromomethane	U		0.00101	0.00671	1	11/02/2021 20:55	WG1767559
1,2-Dichlorobenzene	U		0.000571	0.00671	1	11/02/2021 20:55	WG1767559
1,3-Dichlorobenzene	U		0.000805	0.00671	1	11/02/2021 20:55	WG1767559
1,4-Dichlorobenzene	U		0.000940	0.00671	1	11/02/2021 20:55	WG1767559
Dichlorodifluoromethane	U		0.00216	0.00336	1	11/02/2021 20:55	WG1767559
1,1-Dichloroethane	U		0.000659	0.00336	1	11/02/2021 20:55	WG1767559
1,2-Dichloroethane	U		0.000871	0.00336	1	11/02/2021 20:55	WG1767559
1,1-Dichloroethene	U		0.000813	0.00336	1	11/02/2021 20:55	WG1767559
cis-1,2-Dichloroethene	U		0.000985	0.00336	1	11/02/2021 20:55	WG1767559
trans-1,2-Dichloroethene	U		0.00140	0.00671	1	11/02/2021 20:55	WG1767559
1,2-Dichloropropane	U		0.00191	0.00671	1	11/02/2021 20:55	WG1767559
1,1-Dichloropropene	U		0.00109	0.00336	1	11/02/2021 20:55	WG1767559
1,3-Dichloropropane	U		0.000673	0.00671	1	11/02/2021 20:55	WG1767559
cis-1,3-Dichloropropene	U		0.00102	0.00336	1	11/02/2021 20:55	WG1767559
trans-1,3-Dichloropropene	U		0.00153	0.00671	1	11/02/2021 20:55	WG1767559
2,2-Dichloropropane	U		0.00185	0.00336	1	11/02/2021 20:55	WG1767559
Di-isopropyl ether	U		0.000550	0.00134	1	11/02/2021 20:55	WG1767559
Ethylbenzene	U		0.000989	0.00336	1	11/02/2021 20:55	WG1767559
Hexachloro-1,3-butadiene	U		0.00805	0.0336	1	11/02/2021 20:55	WG1767559
n-Hexane	U		0.00303	0.00671	1	11/02/2021 20:55	WG1767559
Isopropylbenzene	U		0.000571	0.00336	1	11/02/2021 20:55	WG1767559
p-Isopropyltoluene	U		0.00342	0.00671	1	11/02/2021 20:55	WG1767559
2-Butanone (MEK)	0.105	B J	0.0852	0.134	1	11/02/2021 20:55	WG1767559

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.00891	0.0336	1	11/02/2021 20:55	WG1767559
4-Methyl-2-pentanone (MIBK)	U		0.00306	0.0336	1	11/02/2021 20:55	WG1767559
Methyl tert-butyl ether	U		0.000470	0.00134	1	11/02/2021 20:55	WG1767559
Naphthalene	U		0.00655	0.0168	1	11/02/2021 20:55	WG1767559
n-Propylbenzene	U		0.00128	0.00671	1	11/02/2021 20:55	WG1767559
Styrene	U		0.000307	0.0168	1	11/02/2021 20:55	WG1767559
1,1,1,2-Tetrachloroethane	U		0.00127	0.00336	1	11/02/2021 20:55	WG1767559
1,1,2,2-Tetrachloroethane	U		0.000933	0.00336	1	11/02/2021 20:55	WG1767559
Tetrachloroethene	U		0.00120	0.00336	1	11/02/2021 20:55	WG1767559
Toluene	U		0.00175	0.00671	1	11/02/2021 20:55	WG1767559
1,2,3-Trichlorobenzene	U		0.00984	0.0168	1	11/02/2021 20:55	WG1767559
1,2,4-Trichlorobenzene	U		0.00591	0.0168	1	11/02/2021 20:55	WG1767559
1,1,1-Trichloroethane	U		0.00124	0.00336	1	11/02/2021 20:55	WG1767559
1,1,2-Trichloroethane	U		0.000801	0.00336	1	11/02/2021 20:55	WG1767559
Trichloroethene	U		0.000784	0.00134	1	11/02/2021 20:55	WG1767559
Trichlorofluoromethane	U		0.00111	0.00336	1	11/02/2021 20:55	WG1767559
1,2,3-Trichloropropane	U		0.00217	0.0168	1	11/02/2021 20:55	WG1767559
1,2,4-Trimethylbenzene	U		0.00212	0.00671	1	11/02/2021 20:55	WG1767559
1,3,5-Trimethylbenzene	U		0.00268	0.00671	1	11/02/2021 20:55	WG1767559
Vinyl chloride	U		0.00156	0.00336	1	11/02/2021 20:55	WG1767559
Xylenes, Total	U		0.00118	0.00873	1	11/02/2021 20:55	WG1767559
(S) Toluene-d8	*102*			*75.0-131*		*11/02/2021 20:55*	WG1767559
(S) 4-Bromofluorobenzene	*99.6*			*67.0-138*		*11/02/2021 20:55*	WG1767559
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*11/02/2021 20:55*	WG1767559

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	0.995	J	0.698	4.57	1	11/04/2021 00:20	WG1768215
C20-C34 Hydrocarbons	4.62		0.699	4.57	1	11/04/2021 00:20	WG1768215
(S) o-Terphenyl	*60.4*			*18.0-148*		*11/04/2021 00:20*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	90.2		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.06	3.13	25	10/31/2021 05:33	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*96.7*			*77.0-120*		*10/31/2021 05:33*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0457	0.0626	1	11/02/2021 21:14	WG1767559
Acrylonitrile	U		0.00452	0.0157	1	11/02/2021 21:14	WG1767559
Benzene	U		0.000585	0.00125	1	11/02/2021 21:14	WG1767559
Bromobenzene	U		0.00113	0.0157	1	11/02/2021 21:14	WG1767559
Bromodichloromethane	U		0.000908	0.00313	1	11/02/2021 21:14	WG1767559
Bromoform	U		0.00147	0.0313	1	11/02/2021 21:14	WG1767559
Bromomethane	U		0.00247	0.0157	1	11/02/2021 21:14	WG1767559
n-Butylbenzene	U		0.00658	0.0157	1	11/02/2021 21:14	WG1767559
sec-Butylbenzene	U		0.00361	0.0157	1	11/02/2021 21:14	WG1767559
tert-Butylbenzene	U		0.00244	0.00626	1	11/02/2021 21:14	WG1767559
Carbon tetrachloride	U		0.00112	0.00626	1	11/02/2021 21:14	WG1767559
Chlorobenzene	U		0.000263	0.00313	1	11/02/2021 21:14	WG1767559
Chlorodibromomethane	U		0.000766	0.00313	1	11/02/2021 21:14	WG1767559
Chloroethane	U		0.00213	0.00626	1	11/02/2021 21:14	WG1767559
Chloroform	U		0.00129	0.00313	1	11/02/2021 21:14	WG1767559
Chloromethane	U		0.00545	0.0157	1	11/02/2021 21:14	WG1767559
2-Chlorotoluene	U		0.00108	0.00313	1	11/02/2021 21:14	WG1767559
4-Chlorotoluene	U		0.000564	0.00626	1	11/02/2021 21:14	WG1767559
1,2-Dibromo-3-Chloropropane	U		0.00488	0.0313	1	11/02/2021 21:14	WG1767559
1,2-Dibromoethane	U		0.000812	0.00313	1	11/02/2021 21:14	WG1767559
Dibromomethane	U		0.000939	0.00626	1	11/02/2021 21:14	WG1767559
1,2-Dichlorobenzene	U		0.000532	0.00626	1	11/02/2021 21:14	WG1767559
1,3-Dichlorobenzene	U		0.000751	0.00626	1	11/02/2021 21:14	WG1767559
1,4-Dichlorobenzene	U		0.000877	0.00626	1	11/02/2021 21:14	WG1767559
Dichlorodifluoromethane	U		0.00202	0.00313	1	11/02/2021 21:14	WG1767559
1,1-Dichloroethane	U		0.000615	0.00313	1	11/02/2021 21:14	WG1767559
1,2-Dichloroethane	U		0.000813	0.00313	1	11/02/2021 21:14	WG1767559
1,1-Dichloroethene	U		0.000759	0.00313	1	11/02/2021 21:14	WG1767559
cis-1,2-Dichloroethene	U		0.000919	0.00313	1	11/02/2021 21:14	WG1767559
trans-1,2-Dichloroethene	U		0.00130	0.00626	1	11/02/2021 21:14	WG1767559
1,2-Dichloropropane	U		0.00178	0.00626	1	11/02/2021 21:14	WG1767559
1,1-Dichloropropene	U		0.00101	0.00313	1	11/02/2021 21:14	WG1767559
1,3-Dichloropropane	U		0.000627	0.00626	1	11/02/2021 21:14	WG1767559
cis-1,3-Dichloropropene	U		0.000948	0.00313	1	11/02/2021 21:14	WG1767559
trans-1,3-Dichloropropene	U		0.00143	0.00626	1	11/02/2021 21:14	WG1767559
2,2-Dichloropropane	U		0.00173	0.00313	1	11/02/2021 21:14	WG1767559
Di-isopropyl ether	U		0.000513	0.00125	1	11/02/2021 21:14	WG1767559
Ethylbenzene	U		0.000923	0.00313	1	11/02/2021 21:14	WG1767559
Hexachloro-1,3-butadiene	U		0.00751	0.0313	1	11/02/2021 21:14	WG1767559
n-Hexane	U		0.00283	0.00626	1	11/02/2021 21:14	WG1767559
Isopropylbenzene	U		0.000532	0.00313	1	11/02/2021 21:14	WG1767559
p-Isopropyltoluene	U		0.00319	0.00626	1	11/02/2021 21:14	WG1767559
2-Butanone (MEK)	U		0.0795	0.125	1	11/02/2021 21:14	WG1767559

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U		0.00832	0.0313	1	11/02/2021 21:14	WG1767559
4-Methyl-2-pentanone (MIBK)	U		0.00286	0.0313	1	11/02/2021 21:14	WG1767559
Methyl tert-butyl ether	U		0.000438	0.00125	1	11/02/2021 21:14	WG1767559
Naphthalene	U		0.00611	0.0157	1	11/02/2021 21:14	WG1767559
n-Propylbenzene	U		0.00119	0.00626	1	11/02/2021 21:14	WG1767559
Styrene	U		0.000287	0.0157	1	11/02/2021 21:14	WG1767559
1,1,1,2-Tetrachloroethane	U		0.00119	0.00313	1	11/02/2021 21:14	WG1767559
1,1,2,2-Tetrachloroethane	U		0.000870	0.00313	1	11/02/2021 21:14	WG1767559
Tetrachloroethene	U		0.00112	0.00313	1	11/02/2021 21:14	WG1767559
Toluene	U		0.00163	0.00626	1	11/02/2021 21:14	WG1767559
1,2,3-Trichlorobenzene	U		0.00918	0.0157	1	11/02/2021 21:14	WG1767559
1,2,4-Trichlorobenzene	U		0.00551	0.0157	1	11/02/2021 21:14	WG1767559
1,1,1-Trichloroethane	U		0.00116	0.00313	1	11/02/2021 21:14	WG1767559
1,1,2-Trichloroethane	U		0.000748	0.00313	1	11/02/2021 21:14	WG1767559
Trichloroethene	U		0.000731	0.00125	1	11/02/2021 21:14	WG1767559
Trichlorofluoromethane	U		0.00104	0.00313	1	11/02/2021 21:14	WG1767559
1,2,3-Trichloropropane	U		0.00203	0.0157	1	11/02/2021 21:14	WG1767559
1,2,4-Trimethylbenzene	U		0.00198	0.00626	1	11/02/2021 21:14	WG1767559
1,3,5-Trimethylbenzene	U		0.00250	0.00626	1	11/02/2021 21:14	WG1767559
Vinyl chloride	U		0.00145	0.00313	1	11/02/2021 21:14	WG1767559
Xylenes, Total	U		0.00110	0.00814	1	11/02/2021 21:14	WG1767559
(S) Toluene-d8	*103*			*75.0-131*		*11/02/2021 21:14*	WG1767559
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*11/02/2021 21:14*	WG1767559
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*11/02/2021 21:14*	WG1767559

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	0.892	J	0.676	4.43	1	11/03/2021 22:13	WG1768215
C20-C34 Hydrocarbons	1.34	J	0.677	4.43	1	11/03/2021 22:13	WG1768215
(S) o-Terphenyl	*49.1*			*18.0-148*		*11/03/2021 22:13*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	91.8		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.02	3.02	25	10/31/2021 00:48	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*92.5*			*77.0-120*		*10/31/2021 00:48*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0441	0.0604	1	11/03/2021 22:34	WG1768143
Acrylonitrile	U		0.00436	0.0151	1	11/03/2021 22:34	WG1768143
Benzene	0.000986	J	0.000564	0.00121	1	11/03/2021 22:34	WG1768143
Bromobenzene	U		0.00109	0.0151	1	11/03/2021 22:34	WG1768143
Bromodichloromethane	U		0.000875	0.00302	1	11/03/2021 22:34	WG1768143
Bromoform	U		0.00141	0.0302	1	11/03/2021 22:34	WG1768143
Bromomethane	U		0.00238	0.0151	1	11/03/2021 22:34	WG1768143
n-Butylbenzene	U		0.00634	0.0151	1	11/03/2021 22:34	WG1768143
sec-Butylbenzene	U		0.00348	0.0151	1	11/03/2021 22:34	WG1768143
tert-Butylbenzene	U		0.00235	0.00604	1	11/03/2021 22:34	WG1768143
Carbon tetrachloride	0.00298	J	0.00108	0.00604	1	11/03/2021 22:34	WG1768143
Chlorobenzene	U		0.000253	0.00302	1	11/03/2021 22:34	WG1768143
Chlorodibromomethane	U		0.000739	0.00302	1	11/03/2021 22:34	WG1768143
Chloroethane	U		0.00205	0.00604	1	11/03/2021 22:34	WG1768143
Chloroform	U		0.00124	0.00302	1	11/03/2021 22:34	WG1768143
Chloromethane	U		0.00525	0.0151	1	11/03/2021 22:34	WG1768143
2-Chlorotoluene	U		0.00104	0.00302	1	11/03/2021 22:34	WG1768143
4-Chlorotoluene	U		0.000543	0.00604	1	11/03/2021 22:34	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00471	0.0302	1	11/03/2021 22:34	WG1768143
1,2-Dibromoethane	U		0.000782	0.00302	1	11/03/2021 22:34	WG1768143
Dibromomethane	U		0.000905	0.00604	1	11/03/2021 22:34	WG1768143
1,2-Dichlorobenzene	U		0.000513	0.00604	1	11/03/2021 22:34	WG1768143
1,3-Dichlorobenzene	U		0.000724	0.00604	1	11/03/2021 22:34	WG1768143
1,4-Dichlorobenzene	U		0.000845	0.00604	1	11/03/2021 22:34	WG1768143
Dichlorodifluoromethane	U		0.00194	0.00302	1	11/03/2021 22:34	WG1768143
1,1-Dichloroethane	U		0.000593	0.00302	1	11/03/2021 22:34	WG1768143
1,2-Dichloroethane	U		0.000783	0.00302	1	11/03/2021 22:34	WG1768143
1,1-Dichloroethene	U		0.000731	0.00302	1	11/03/2021 22:34	WG1768143
cis-1,2-Dichloroethene	U		0.000886	0.00302	1	11/03/2021 22:34	WG1768143
trans-1,2-Dichloroethene	U		0.00126	0.00604	1	11/03/2021 22:34	WG1768143
1,2-Dichloropropane	U		0.00171	0.00604	1	11/03/2021 22:34	WG1768143
1,1-Dichloropropene	U		0.000977	0.00302	1	11/03/2021 22:34	WG1768143
1,3-Dichloropropane	U		0.000605	0.00604	1	11/03/2021 22:34	WG1768143
cis-1,3-Dichloropropene	U		0.000914	0.00302	1	11/03/2021 22:34	WG1768143
trans-1,3-Dichloropropene	U		0.00138	0.00604	1	11/03/2021 22:34	WG1768143
2,2-Dichloropropane	U		0.00167	0.00302	1	11/03/2021 22:34	WG1768143
Di-isopropyl ether	U		0.000495	0.00121	1	11/03/2021 22:34	WG1768143
Ethylbenzene	0.00367		0.000890	0.00302	1	11/03/2021 22:34	WG1768143
Hexachloro-1,3-butadiene	U		0.00724	0.0302	1	11/03/2021 22:34	WG1768143
n-Hexane	U		0.00273	0.00604	1	11/03/2021 22:34	WG1768143
Isopropylbenzene	0.00403		0.000513	0.00302	1	11/03/2021 22:34	WG1768143
p-Isopropyltoluene	U		0.00308	0.00604	1	11/03/2021 22:34	WG1768143
2-Butanone (MEK)	U		0.0766	0.121	1	11/03/2021 22:34	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00801	0.0302	1	11/03/2021 22:34	WG1768143
4-Methyl-2-pentanone (MIBK)	0.00356	J	0.00275	0.0302	1	11/03/2021 22:34	WG1768143
Methyl tert-butyl ether	U		0.000422	0.00121	1	11/03/2021 22:34	WG1768143
Naphthalene	0.0227		0.00589	0.0151	1	11/03/2021 22:34	WG1768143
n-Propylbenzene	0.00695		0.00115	0.00604	1	11/03/2021 22:34	WG1768143
Styrene	U		0.000276	0.0151	1	11/03/2021 22:34	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00114	0.00302	1	11/03/2021 22:34	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000839	0.00302	1	11/03/2021 22:34	WG1768143
Tetrachloroethene	0.00135	J	0.00108	0.00302	1	11/03/2021 22:34	WG1768143
Toluene	0.0110		0.00157	0.00604	1	11/03/2021 22:34	WG1768143
1,2,3-Trichlorobenzene	U		0.00885	0.0151	1	11/03/2021 22:34	WG1768143
1,2,4-Trichlorobenzene	U		0.00531	0.0151	1	11/03/2021 22:34	WG1768143
1,1,1-Trichloroethane	0.0295		0.00111	0.00302	1	11/03/2021 22:34	WG1768143
1,1,2-Trichloroethane	U		0.000721	0.00302	1	11/03/2021 22:34	WG1768143
Trichloroethene	0.0190		0.000705	0.00121	1	11/03/2021 22:34	WG1768143
Trichlorofluoromethane	U		0.000998	0.00302	1	11/03/2021 22:34	WG1768143
1,2,3-Trichloropropane	U		0.00196	0.0151	1	11/03/2021 22:34	WG1768143
1,2,4-Trimethylbenzene	0.00993		0.00191	0.00604	1	11/03/2021 22:34	WG1768143
1,3,5-Trimethylbenzene	U		0.00241	0.00604	1	11/03/2021 22:34	WG1768143
Vinyl chloride	U		0.00140	0.00302	1	11/03/2021 22:34	WG1768143
Xylenes, Total	0.0302		0.00106	0.00785	1	11/03/2021 22:34	WG1768143
(S) Toluene-d8	*101*			*75.0-131*		*11/03/2021 22:34*	WG1768143
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/03/2021 22:34*	WG1768143
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*11/03/2021 22:34*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	8.64		0.665	4.36	1	11/04/2021 00:32	WG1768215
C20-C34 Hydrocarbons	24.7		0.666	4.36	1	11/04/2021 00:32	WG1768215
(S) o-Terphenyl	*69.9*			*18.0-148*		*11/04/2021 00:32*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.8		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.11	3.28	25	10/31/2021 01:10	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*94.8*			*77.0-120*		*10/31/2021 01:10*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0479	0.0657	1	11/03/2021 22:53	WG1768143
Acrylonitrile	U		0.00474	0.0164	1	11/03/2021 22:53	WG1768143
Benzene	U		0.000613	0.00131	1	11/03/2021 22:53	WG1768143
Bromobenzene	U		0.00118	0.0164	1	11/03/2021 22:53	WG1768143
Bromodichloromethane	U		0.000952	0.00328	1	11/03/2021 22:53	WG1768143
Bromoform	U		0.00154	0.0328	1	11/03/2021 22:53	WG1768143
Bromomethane	U		0.00259	0.0164	1	11/03/2021 22:53	WG1768143
n-Butylbenzene	U		0.00690	0.0164	1	11/03/2021 22:53	WG1768143
sec-Butylbenzene	U		0.00378	0.0164	1	11/03/2021 22:53	WG1768143
tert-Butylbenzene	U		0.00256	0.00657	1	11/03/2021 22:53	WG1768143
Carbon tetrachloride	U		0.00118	0.00657	1	11/03/2021 22:53	WG1768143
Chlorobenzene	U		0.000276	0.00328	1	11/03/2021 22:53	WG1768143
Chlorodibromomethane	U		0.000804	0.00328	1	11/03/2021 22:53	WG1768143
Chloroethane	U		0.00223	0.00657	1	11/03/2021 22:53	WG1768143
Chloroform	U		0.00135	0.00328	1	11/03/2021 22:53	WG1768143
Chloromethane	U		0.00571	0.0164	1	11/03/2021 22:53	WG1768143
2-Chlorotoluene	U		0.00114	0.00328	1	11/03/2021 22:53	WG1768143
4-Chlorotoluene	U		0.000591	0.00657	1	11/03/2021 22:53	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00512	0.0328	1	11/03/2021 22:53	WG1768143
1,2-Dibromoethane	U		0.000851	0.00328	1	11/03/2021 22:53	WG1768143
Dibromomethane	U		0.000985	0.00657	1	11/03/2021 22:53	WG1768143
1,2-Dichlorobenzene	U		0.000558	0.00657	1	11/03/2021 22:53	WG1768143
1,3-Dichlorobenzene	U		0.000788	0.00657	1	11/03/2021 22:53	WG1768143
1,4-Dichlorobenzene	U		0.000919	0.00657	1	11/03/2021 22:53	WG1768143
Dichlorodifluoromethane	U		0.00211	0.00328	1	11/03/2021 22:53	WG1768143
1,1-Dichloroethane	U		0.000645	0.00328	1	11/03/2021 22:53	WG1768143
1,2-Dichloroethane	U		0.000852	0.00328	1	11/03/2021 22:53	WG1768143
1,1-Dichloroethene	U		0.000796	0.00328	1	11/03/2021 22:53	WG1768143
cis-1,2-Dichloroethene	U		0.000964	0.00328	1	11/03/2021 22:53	WG1768143
trans-1,2-Dichloroethene	U		0.00137	0.00657	1	11/03/2021 22:53	WG1768143
1,2-Dichloropropane	U		0.00187	0.00657	1	11/03/2021 22:53	WG1768143
1,1-Dichloropropene	U		0.00106	0.00328	1	11/03/2021 22:53	WG1768143
1,3-Dichloropropane	U		0.000658	0.00657	1	11/03/2021 22:53	WG1768143
cis-1,3-Dichloropropene	U		0.000994	0.00328	1	11/03/2021 22:53	WG1768143
trans-1,3-Dichloropropene	U		0.00150	0.00657	1	11/03/2021 22:53	WG1768143
2,2-Dichloropropane	U		0.00181	0.00328	1	11/03/2021 22:53	WG1768143
Di-isopropyl ether	U		0.000539	0.00131	1	11/03/2021 22:53	WG1768143
Ethylbenzene	U		0.000968	0.00328	1	11/03/2021 22:53	WG1768143
Hexachloro-1,3-butadiene	U		0.00788	0.0328	1	11/03/2021 22:53	WG1768143
n-Hexane	U		0.00297	0.00657	1	11/03/2021 22:53	WG1768143
Isopropylbenzene	U		0.000558	0.00328	1	11/03/2021 22:53	WG1768143
p-Isopropyltoluene	U		0.00335	0.00657	1	11/03/2021 22:53	WG1768143
2-Butanone (MEK)	0.0841	B J	0.0834	0.131	1	11/03/2021 22:53	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00872	0.0328	1	11/03/2021 22:53	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00299	0.0328	1	11/03/2021 22:53	WG1768143
Methyl tert-butyl ether	U		0.000460	0.00131	1	11/03/2021 22:53	WG1768143
Naphthalene	U		0.00641	0.0164	1	11/03/2021 22:53	WG1768143
n-Propylbenzene	U		0.00125	0.00657	1	11/03/2021 22:53	WG1768143
Styrene	U		0.000301	0.0164	1	11/03/2021 22:53	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00125	0.00328	1	11/03/2021 22:53	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000913	0.00328	1	11/03/2021 22:53	WG1768143
Tetrachloroethene	U		0.00118	0.00328	1	11/03/2021 22:53	WG1768143
Toluene	U		0.00171	0.00657	1	11/03/2021 22:53	WG1768143
1,2,3-Trichlorobenzene	U		0.00963	0.0164	1	11/03/2021 22:53	WG1768143
1,2,4-Trichlorobenzene	U		0.00578	0.0164	1	11/03/2021 22:53	WG1768143
1,1,1-Trichloroethane	U		0.00121	0.00328	1	11/03/2021 22:53	WG1768143
1,1,2-Trichloroethane	U		0.000784	0.00328	1	11/03/2021 22:53	WG1768143
Trichloroethene	U		0.000767	0.00131	1	11/03/2021 22:53	WG1768143
Trichlorofluoromethane	U		0.00109	0.00328	1	11/03/2021 22:53	WG1768143
1,2,3-Trichloropropane	U		0.00213	0.0164	1	11/03/2021 22:53	WG1768143
1,2,4-Trimethylbenzene	U		0.00208	0.00657	1	11/03/2021 22:53	WG1768143
1,3,5-Trimethylbenzene	U		0.00263	0.00657	1	11/03/2021 22:53	WG1768143
Vinyl chloride	U		0.00152	0.00328	1	11/03/2021 22:53	WG1768143
Xylenes, Total	U		0.00116	0.00854	1	11/03/2021 22:53	WG1768143
(S) Toluene-d8	*102*			*75.0-131*		*11/03/2021 22:53*	WG1768143
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/03/2021 22:53*	WG1768143
(S) 1,2-Dichloroethane-d4	*109*			*70.0-130*		*11/03/2021 22:53*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	U		0.695	4.56	1	11/03/2021 22:25	WG1768215
C20-C34 Hydrocarbons	0.761	J	0.696	4.56	1	11/03/2021 22:25	WG1768215
(S) o-Terphenyl	*58.3*			*18.0-148*		*11/03/2021 22:25*	WG1768215

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0134	0.0387	1	11/08/2021 03:32	WG1769931
PCB 1221	U		0.0134	0.0387	1	11/08/2021 03:32	WG1769931
PCB 1232	U		0.0134	0.0387	1	11/08/2021 03:32	WG1769931
PCB 1242	U		0.0134	0.0387	1	11/08/2021 03:32	WG1769931
PCB 1248	U		0.00841	0.0194	1	11/08/2021 03:32	WG1769931
PCB 1254	U		0.00841	0.0194	1	11/08/2021 03:32	WG1769931
PCB 1260	U		0.00841	0.0194	1	11/08/2021 03:32	WG1769931
(S) Decachlorobiphenyl	*87.2*			*10.0-135*		*11/08/2021 03:32*	WG1769931
(S) Tetrachloro-m-xylene	*86.7*			*10.0-139*		*11/08/2021 03:32*	WG1769931

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00262	0.00684	1	11/05/2021 19:04	WG1769470
Acenaphthene	U		0.00238	0.00684	1	11/05/2021 19:04	WG1769470
Acenaphthylene	U		0.00246	0.00684	1	11/05/2021 19:04	WG1769470
Benzo(a)anthracene	U		0.00197	0.00684	1	11/05/2021 19:04	WG1769470
Benzo(a)pyrene	U		0.00204	0.00684	1	11/05/2021 19:04	WG1769470
Benzo(b)fluoranthene	U		0.00174	0.00684	1	11/05/2021 19:04	WG1769470
Benzo(g,h,i)perylene	U		0.00202	0.00684	1	11/05/2021 19:04	WG1769470

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(k)fluoranthene	U		0.00245	0.00684	1	11/05/2021 19:04	WG1769470
Chrysene	U		0.00264	0.00684	1	11/05/2021 19:04	WG1769470
Dibenz(a,h)anthracene	U		0.00196	0.00684	1	11/05/2021 19:04	WG1769470
Fluoranthene	U		0.00259	0.00684	1	11/05/2021 19:04	WG1769470
Fluorene	U		0.00234	0.00684	1	11/05/2021 19:04	WG1769470
Indeno(1,2,3-cd)pyrene	U		0.00206	0.00684	1	11/05/2021 19:04	WG1769470
Naphthalene	U		0.00465	0.0228	1	11/05/2021 19:04	WG1769470
Phenanthrene	U		0.00263	0.00684	1	11/05/2021 19:04	WG1769470
Pyrene	U		0.00228	0.00684	1	11/05/2021 19:04	WG1769470
1-Methylnaphthalene	U		0.00512	0.0228	1	11/05/2021 19:04	WG1769470
2-Methylnaphthalene	U		0.00487	0.0228	1	11/05/2021 19:04	WG1769470
2-Chloronaphthalene	U		0.00531	0.0228	1	11/05/2021 19:04	WG1769470
(S) Nitrobenzene-d5	*61.9*			*14.0-149*		*11/05/2021 19:04*	WG1769470
(S) 2-Fluorobiphenyl	*79.1*			*34.0-125*		*11/05/2021 19:04*	WG1769470
(S) p-Terphenyl-d14	*102*			*23.0-120*		*11/05/2021 19:04*	WG1769470

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	87.2		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.14	3.36	25	10/31/2021 01:32	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*93.9*			*77.0-120*		*10/31/2021 01:32*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0491	0.0673	1	11/03/2021 23:12	WG1768143
Acrylonitrile	U		0.00486	0.0168	1	11/03/2021 23:12	WG1768143
Benzene	U		0.000628	0.00135	1	11/03/2021 23:12	WG1768143
Bromobenzene	U		0.00121	0.0168	1	11/03/2021 23:12	WG1768143
Bromodichloromethane	U		0.000975	0.00336	1	11/03/2021 23:12	WG1768143
Bromoform	U		0.00157	0.0336	1	11/03/2021 23:12	WG1768143
Bromomethane	U		0.00265	0.0168	1	11/03/2021 23:12	WG1768143
n-Butylbenzene	U		0.00706	0.0168	1	11/03/2021 23:12	WG1768143
sec-Butylbenzene	U		0.00387	0.0168	1	11/03/2021 23:12	WG1768143
tert-Butylbenzene	U		0.00262	0.00673	1	11/03/2021 23:12	WG1768143
Carbon tetrachloride	U		0.00121	0.00673	1	11/03/2021 23:12	WG1768143
Chlorobenzene	U		0.000283	0.00336	1	11/03/2021 23:12	WG1768143
Chlorodibromomethane	U		0.000823	0.00336	1	11/03/2021 23:12	WG1768143
Chloroethane	U		0.00229	0.00673	1	11/03/2021 23:12	WG1768143
Chloroform	U		0.00139	0.00336	1	11/03/2021 23:12	WG1768143
Chloromethane	U		0.00585	0.0168	1	11/03/2021 23:12	WG1768143
2-Chlorotoluene	U		0.00116	0.00336	1	11/03/2021 23:12	WG1768143
4-Chlorotoluene	U		0.000605	0.00673	1	11/03/2021 23:12	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00525	0.0336	1	11/03/2021 23:12	WG1768143
1,2-Dibromoethane	U		0.000872	0.00336	1	11/03/2021 23:12	WG1768143
Dibromomethane	U		0.00101	0.00673	1	11/03/2021 23:12	WG1768143
1,2-Dichlorobenzene	U		0.000572	0.00673	1	11/03/2021 23:12	WG1768143
1,3-Dichlorobenzene	U		0.000807	0.00673	1	11/03/2021 23:12	WG1768143
1,4-Dichlorobenzene	U		0.000942	0.00673	1	11/03/2021 23:12	WG1768143
Dichlorodifluoromethane	U		0.00217	0.00336	1	11/03/2021 23:12	WG1768143
1,1-Dichloroethane	U		0.000661	0.00336	1	11/03/2021 23:12	WG1768143
1,2-Dichloroethane	U		0.000873	0.00336	1	11/03/2021 23:12	WG1768143
1,1-Dichloroethene	U		0.000815	0.00336	1	11/03/2021 23:12	WG1768143
cis-1,2-Dichloroethene	U		0.000988	0.00336	1	11/03/2021 23:12	WG1768143
trans-1,2-Dichloroethene	U		0.00140	0.00673	1	11/03/2021 23:12	WG1768143
1,2-Dichloropropane	U		0.00191	0.00673	1	11/03/2021 23:12	WG1768143
1,1-Dichloropropene	U		0.00109	0.00336	1	11/03/2021 23:12	WG1768143
1,3-Dichloropropane	U		0.000674	0.00673	1	11/03/2021 23:12	WG1768143
cis-1,3-Dichloropropene	U		0.00102	0.00336	1	11/03/2021 23:12	WG1768143
trans-1,3-Dichloropropene	U		0.00153	0.00673	1	11/03/2021 23:12	WG1768143
2,2-Dichloropropane	U		0.00186	0.00336	1	11/03/2021 23:12	WG1768143
Di-isopropyl ether	U		0.000552	0.00135	1	11/03/2021 23:12	WG1768143
Ethylbenzene	U		0.000992	0.00336	1	11/03/2021 23:12	WG1768143
Hexachloro-1,3-butadiene	U		0.00807	0.0336	1	11/03/2021 23:12	WG1768143
n-Hexane	U		0.00304	0.00673	1	11/03/2021 23:12	WG1768143
Isopropylbenzene	U		0.000572	0.00336	1	11/03/2021 23:12	WG1768143
p-Isopropyltoluene	U		0.00343	0.00673	1	11/03/2021 23:12	WG1768143
2-Butanone (MEK)	U		0.0854	0.135	1	11/03/2021 23:12	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00893	0.0336	1	11/03/2021 23:12	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00307	0.0336	1	11/03/2021 23:12	WG1768143
Methyl tert-butyl ether	U		0.000471	0.00135	1	11/03/2021 23:12	WG1768143
Naphthalene	U		0.00657	0.0168	1	11/03/2021 23:12	WG1768143
n-Propylbenzene	U		0.00128	0.00673	1	11/03/2021 23:12	WG1768143
Styrene	U		0.000308	0.0168	1	11/03/2021 23:12	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00128	0.00336	1	11/03/2021 23:12	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000935	0.00336	1	11/03/2021 23:12	WG1768143
Tetrachloroethene	U		0.00121	0.00336	1	11/03/2021 23:12	WG1768143
Toluene	U		0.00175	0.00673	1	11/03/2021 23:12	WG1768143
1,2,3-Trichlorobenzene	U		0.00986	0.0168	1	11/03/2021 23:12	WG1768143
1,2,4-Trichlorobenzene	U		0.00592	0.0168	1	11/03/2021 23:12	WG1768143
1,1,1-Trichloroethane	U		0.00124	0.00336	1	11/03/2021 23:12	WG1768143
1,1,2-Trichloroethane	U		0.000803	0.00336	1	11/03/2021 23:12	WG1768143
Trichloroethene	U		0.000786	0.00135	1	11/03/2021 23:12	WG1768143
Trichlorofluoromethane	U		0.00111	0.00336	1	11/03/2021 23:12	WG1768143
1,2,3-Trichloropropane	U		0.00218	0.0168	1	11/03/2021 23:12	WG1768143
1,2,4-Trimethylbenzene	U		0.00213	0.00673	1	11/03/2021 23:12	WG1768143
1,3,5-Trimethylbenzene	U		0.00269	0.00673	1	11/03/2021 23:12	WG1768143
Vinyl chloride	U		0.00156	0.00336	1	11/03/2021 23:12	WG1768143
Xylenes, Total	U		0.00118	0.00874	1	11/03/2021 23:12	WG1768143
(S) Toluene-d8	*103*			*75.0-131*		*11/03/2021 23:12*	WG1768143
(S) 4-Bromofluorobenzene	*102*			*67.0-138*		*11/03/2021 23:12*	WG1768143
(S) 1,2-Dichloroethane-d4	*107*			*70.0-130*		*11/03/2021 23:12*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	U		0.700	4.59	1	11/03/2021 22:38	WG1768215
C20-C34 Hydrocarbons	1.64	J	0.701	4.59	1	11/03/2021 22:38	WG1768215
(S) o-Terphenyl	*54.6*			*18.0-148*		*11/03/2021 22:38*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.7		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.15	3.40	25	10/31/2021 01:54	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*95.7*			*77.0-120*		*10/31/2021 01:54*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0497	0.0680	1	11/03/2021 23:31	WG1768143
Acrylonitrile	U		0.00491	0.0170	1	11/03/2021 23:31	WG1768143
Benzene	U		0.000635	0.00136	1	11/03/2021 23:31	WG1768143
Bromobenzene	U		0.00122	0.0170	1	11/03/2021 23:31	WG1768143
Bromodichloromethane	U		0.000986	0.00340	1	11/03/2021 23:31	WG1768143
Bromoform	U		0.00159	0.0340	1	11/03/2021 23:31	WG1768143
Bromomethane	U		0.00268	0.0170	1	11/03/2021 23:31	WG1768143
n-Butylbenzene	U		0.00714	0.0170	1	11/03/2021 23:31	WG1768143
sec-Butylbenzene	U		0.00392	0.0170	1	11/03/2021 23:31	WG1768143
tert-Butylbenzene	U		0.00265	0.00680	1	11/03/2021 23:31	WG1768143
Carbon tetrachloride	U		0.00122	0.00680	1	11/03/2021 23:31	WG1768143
Chlorobenzene	U		0.000286	0.00340	1	11/03/2021 23:31	WG1768143
Chlorodibromomethane	U		0.000833	0.00340	1	11/03/2021 23:31	WG1768143
Chloroethane	U		0.00231	0.00680	1	11/03/2021 23:31	WG1768143
Chloroform	U		0.00140	0.00340	1	11/03/2021 23:31	WG1768143
Chloromethane	U		0.00592	0.0170	1	11/03/2021 23:31	WG1768143
2-Chlorotoluene	U		0.00118	0.00340	1	11/03/2021 23:31	WG1768143
4-Chlorotoluene	U		0.000612	0.00680	1	11/03/2021 23:31	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00531	0.0340	1	11/03/2021 23:31	WG1768143
1,2-Dibromoethane	U		0.000882	0.00340	1	11/03/2021 23:31	WG1768143
Dibromomethane	U		0.00102	0.00680	1	11/03/2021 23:31	WG1768143
1,2-Dichlorobenzene	U		0.000578	0.00680	1	11/03/2021 23:31	WG1768143
1,3-Dichlorobenzene	U		0.000816	0.00680	1	11/03/2021 23:31	WG1768143
1,4-Dichlorobenzene	U		0.000952	0.00680	1	11/03/2021 23:31	WG1768143
Dichlorodifluoromethane	U		0.00219	0.00340	1	11/03/2021 23:31	WG1768143
1,1-Dichloroethane	U		0.000668	0.00340	1	11/03/2021 23:31	WG1768143
1,2-Dichloroethane	U		0.000883	0.00340	1	11/03/2021 23:31	WG1768143
1,1-Dichloroethene	U		0.000824	0.00340	1	11/03/2021 23:31	WG1768143
cis-1,2-Dichloroethene	U		0.000999	0.00340	1	11/03/2021 23:31	WG1768143
trans-1,2-Dichloroethene	U		0.00141	0.00680	1	11/03/2021 23:31	WG1768143
1,2-Dichloropropane	U		0.00193	0.00680	1	11/03/2021 23:31	WG1768143
1,1-Dichloropropene	U		0.00110	0.00340	1	11/03/2021 23:31	WG1768143
1,3-Dichloropropane	U		0.000682	0.00680	1	11/03/2021 23:31	WG1768143
cis-1,3-Dichloropropene	U		0.00103	0.00340	1	11/03/2021 23:31	WG1768143
trans-1,3-Dichloropropene	U		0.00155	0.00680	1	11/03/2021 23:31	WG1768143
2,2-Dichloropropane	U		0.00188	0.00340	1	11/03/2021 23:31	WG1768143
Di-isopropyl ether	U		0.000558	0.00136	1	11/03/2021 23:31	WG1768143
Ethylbenzene	U		0.00100	0.00340	1	11/03/2021 23:31	WG1768143
Hexachloro-1,3-butadiene	U		0.00816	0.0340	1	11/03/2021 23:31	WG1768143
n-Hexane	U		0.00307	0.00680	1	11/03/2021 23:31	WG1768143
Isopropylbenzene	U		0.000578	0.00340	1	11/03/2021 23:31	WG1768143
p-Isopropyltoluene	U		0.00347	0.00680	1	11/03/2021 23:31	WG1768143
2-Butanone (MEK)	U		0.0864	0.136	1	11/03/2021 23:31	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00903	0.0340	1	11/03/2021 23:31	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00310	0.0340	1	11/03/2021 23:31	WG1768143
Methyl tert-butyl ether	U		0.000476	0.00136	1	11/03/2021 23:31	WG1768143
Naphthalene	U		0.00664	0.0170	1	11/03/2021 23:31	WG1768143
n-Propylbenzene	U		0.00129	0.00680	1	11/03/2021 23:31	WG1768143
Styrene	U		0.000312	0.0170	1	11/03/2021 23:31	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00129	0.00340	1	11/03/2021 23:31	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000946	0.00340	1	11/03/2021 23:31	WG1768143
Tetrachloroethene	U		0.00122	0.00340	1	11/03/2021 23:31	WG1768143
Toluene	U		0.00177	0.00680	1	11/03/2021 23:31	WG1768143
1,2,3-Trichlorobenzene	U		0.00997	0.0170	1	11/03/2021 23:31	WG1768143
1,2,4-Trichlorobenzene	U		0.00599	0.0170	1	11/03/2021 23:31	WG1768143
1,1,1-Trichloroethane	U		0.00126	0.00340	1	11/03/2021 23:31	WG1768143
1,1,2-Trichloroethane	U		0.000812	0.00340	1	11/03/2021 23:31	WG1768143
Trichloroethene	U		0.000795	0.00136	1	11/03/2021 23:31	WG1768143
Trichlorofluoromethane	U		0.00113	0.00340	1	11/03/2021 23:31	WG1768143
1,2,3-Trichloropropane	U		0.00220	0.0170	1	11/03/2021 23:31	WG1768143
1,2,4-Trimethylbenzene	U		0.00215	0.00680	1	11/03/2021 23:31	WG1768143
1,3,5-Trimethylbenzene	U		0.00272	0.00680	1	11/03/2021 23:31	WG1768143
Vinyl chloride	U		0.00158	0.00340	1	11/03/2021 23:31	WG1768143
Xylenes, Total	U		0.00120	0.00884	1	11/03/2021 23:31	WG1768143
(S) Toluene-d8	*104*			*75.0-131*		*11/03/2021 23:31*	WG1768143
(S) 4-Bromofluorobenzene	*99.2*			*67.0-138*		*11/03/2021 23:31*	WG1768143
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*		*11/03/2021 23:31*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	0.735	J	0.703	4.61	1	11/03/2021 22:51	WG1768215
C20-C34 Hydrocarbons	1.09	J	0.705	4.61	1	11/03/2021 22:51	WG1768215
(S) o-Terphenyl	*43.5*			*18.0-148*		*11/03/2021 22:51*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	93.0		1	11/02/2021 12:12	WG1766883

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	8.16		0.990	2.92	25	10/31/2021 02:16	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*96.4*			*77.0-120*		*10/31/2021 02:16*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0426	0.0584	1	11/03/2021 23:50	WG1768143
Acrylonitrile	U		0.00421	0.0146	1	11/03/2021 23:50	WG1768143
Benzene	U		0.000545	0.00117	1	11/03/2021 23:50	WG1768143
Bromobenzene	U		0.00105	0.0146	1	11/03/2021 23:50	WG1768143
Bromodichloromethane	U		0.000846	0.00292	1	11/03/2021 23:50	WG1768143
Bromoform	U		0.00137	0.0292	1	11/03/2021 23:50	WG1768143
Bromomethane	U		0.00230	0.0146	1	11/03/2021 23:50	WG1768143
n-Butylbenzene	U		0.00613	0.0146	1	11/03/2021 23:50	WG1768143
sec-Butylbenzene	0.00401	J	0.00336	0.0146	1	11/03/2021 23:50	WG1768143
tert-Butylbenzene	U		0.00228	0.00584	1	11/03/2021 23:50	WG1768143
Carbon tetrachloride	U		0.00105	0.00584	1	11/03/2021 23:50	WG1768143
Chlorobenzene	U		0.000245	0.00292	1	11/03/2021 23:50	WG1768143
Chlorodibromomethane	U		0.000714	0.00292	1	11/03/2021 23:50	WG1768143
Chloroethane	U		0.00198	0.00584	1	11/03/2021 23:50	WG1768143
Chloroform	U		0.00120	0.00292	1	11/03/2021 23:50	WG1768143
Chloromethane	U		0.00508	0.0146	1	11/03/2021 23:50	WG1768143
2-Chlorotoluene	U		0.00101	0.00292	1	11/03/2021 23:50	WG1768143
4-Chlorotoluene	U		0.000525	0.00584	1	11/03/2021 23:50	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00455	0.0292	1	11/03/2021 23:50	WG1768143
1,2-Dibromoethane	U		0.000756	0.00292	1	11/03/2021 23:50	WG1768143
Dibromomethane	U		0.000875	0.00584	1	11/03/2021 23:50	WG1768143
1,2-Dichlorobenzene	U		0.000496	0.00584	1	11/03/2021 23:50	WG1768143
1,3-Dichlorobenzene	U		0.000700	0.00584	1	11/03/2021 23:50	WG1768143
1,4-Dichlorobenzene	U		0.000817	0.00584	1	11/03/2021 23:50	WG1768143
Dichlorodifluoromethane	U		0.00188	0.00292	1	11/03/2021 23:50	WG1768143
1,1-Dichloroethane	U		0.000573	0.00292	1	11/03/2021 23:50	WG1768143
1,2-Dichloroethane	U		0.000757	0.00292	1	11/03/2021 23:50	WG1768143
1,1-Dichloroethene	U		0.000707	0.00292	1	11/03/2021 23:50	WG1768143
cis-1,2-Dichloroethene	U		0.000857	0.00292	1	11/03/2021 23:50	WG1768143
trans-1,2-Dichloroethene	U		0.00121	0.00584	1	11/03/2021 23:50	WG1768143
1,2-Dichloropropane	U		0.00166	0.00584	1	11/03/2021 23:50	WG1768143
1,1-Dichloropropene	U		0.000944	0.00292	1	11/03/2021 23:50	WG1768143
1,3-Dichloropropane	U		0.000585	0.00584	1	11/03/2021 23:50	WG1768143
cis-1,3-Dichloropropene	U		0.000883	0.00292	1	11/03/2021 23:50	WG1768143
trans-1,3-Dichloropropene	U		0.00133	0.00584	1	11/03/2021 23:50	WG1768143
2,2-Dichloropropane	U		0.00161	0.00292	1	11/03/2021 23:50	WG1768143
Di-isopropyl ether	U		0.000478	0.00117	1	11/03/2021 23:50	WG1768143
Ethylbenzene	U		0.000860	0.00292	1	11/03/2021 23:50	WG1768143
Hexachloro-1,3-butadiene	U		0.00700	0.0292	1	11/03/2021 23:50	WG1768143
n-Hexane	U		0.00264	0.00584	1	11/03/2021 23:50	WG1768143
Isopropylbenzene	U		0.000496	0.00292	1	11/03/2021 23:50	WG1768143
p-Isopropyltoluene	U		0.00298	0.00584	1	11/03/2021 23:50	WG1768143
2-Butanone (MEK)	0.0949	B J	0.0741	0.117	1	11/03/2021 23:50	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00775	0.0292	1	11/03/2021 23:50	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00266	0.0292	1	11/03/2021 23:50	WG1768143
Methyl tert-butyl ether	U		0.000408	0.00117	1	11/03/2021 23:50	WG1768143
Naphthalene	U		0.00570	0.0146	1	11/03/2021 23:50	WG1768143
n-Propylbenzene	U		0.00111	0.00584	1	11/03/2021 23:50	WG1768143
Styrene	U		0.000267	0.0146	1	11/03/2021 23:50	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00111	0.00292	1	11/03/2021 23:50	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000811	0.00292	1	11/03/2021 23:50	WG1768143
Tetrachloroethene	U		0.00105	0.00292	1	11/03/2021 23:50	WG1768143
Toluene	U		0.00152	0.00584	1	11/03/2021 23:50	WG1768143
1,2,3-Trichlorobenzene	U		0.00855	0.0146	1	11/03/2021 23:50	WG1768143
1,2,4-Trichlorobenzene	U		0.00514	0.0146	1	11/03/2021 23:50	WG1768143
1,1,1-Trichloroethane	U		0.00108	0.00292	1	11/03/2021 23:50	WG1768143
1,1,2-Trichloroethane	U		0.000697	0.00292	1	11/03/2021 23:50	WG1768143
Trichloroethene	U		0.000682	0.00117	1	11/03/2021 23:50	WG1768143
Trichlorofluoromethane	U		0.000965	0.00292	1	11/03/2021 23:50	WG1768143
1,2,3-Trichloropropane	U		0.00189	0.0146	1	11/03/2021 23:50	WG1768143
1,2,4-Trimethylbenzene	0.00869		0.00184	0.00584	1	11/03/2021 23:50	WG1768143
1,3,5-Trimethylbenzene	0.00962		0.00233	0.00584	1	11/03/2021 23:50	WG1768143
Vinyl chloride	U		0.00135	0.00292	1	11/03/2021 23:50	WG1768143
Xylenes, Total	U		0.00103	0.00759	1	11/03/2021 23:50	WG1768143
(S) Toluene-d8	*102*			*75.0-131*		*11/03/2021 23:50*	WG1768143
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/03/2021 23:50*	WG1768143
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*		*11/03/2021 23:50*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	123		6.56	43.0	10	11/04/2021 01:10	WG1768215
C20-C34 Hydrocarbons	830	V	6.57	43.0	10	11/04/2021 01:10	WG1768215
(S) o-Terphenyl	*59.7*			*18.0-148*		*11/04/2021 01:10*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	287		1.15	3.40	25	10/31/2021 02:38	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*98.5*			*77.0-120*		*10/31/2021 02:38*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0496	0.0679	1	11/04/2021 00:09	WG1768143
Acrylonitrile	U		0.00491	0.0170	1	11/04/2021 00:09	WG1768143
Benzene	U		0.000635	0.00136	1	11/04/2021 00:09	WG1768143
Bromobenzene	U		0.00122	0.0170	1	11/04/2021 00:09	WG1768143
Bromodichloromethane	U		0.000985	0.00340	1	11/04/2021 00:09	WG1768143
Bromoform	U		0.00159	0.0340	1	11/04/2021 00:09	WG1768143
Bromomethane	U		0.00268	0.0170	1	11/04/2021 00:09	WG1768143
n-Butylbenzene	0.421		0.00713	0.0170	1	11/04/2021 00:09	WG1768143
sec-Butylbenzene	0.872		0.00391	0.0170	1	11/04/2021 00:09	WG1768143
tert-Butylbenzene	0.0564		0.00265	0.00679	1	11/04/2021 00:09	WG1768143
Carbon tetrachloride	U		0.00122	0.00679	1	11/04/2021 00:09	WG1768143
Chlorobenzene	U		0.000285	0.00340	1	11/04/2021 00:09	WG1768143
Chlorodibromomethane	U		0.000832	0.00340	1	11/04/2021 00:09	WG1768143
Chloroethane	U		0.00231	0.00679	1	11/04/2021 00:09	WG1768143
Chloroform	U		0.00140	0.00340	1	11/04/2021 00:09	WG1768143
Chloromethane	U		0.00591	0.0170	1	11/04/2021 00:09	WG1768143
2-Chlorotoluene	U		0.00118	0.00340	1	11/04/2021 00:09	WG1768143
4-Chlorotoluene	U		0.000611	0.00679	1	11/04/2021 00:09	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00530	0.0340	1	11/04/2021 00:09	WG1768143
1,2-Dibromoethane	U		0.000880	0.00340	1	11/04/2021 00:09	WG1768143
Dibromomethane	U		0.00102	0.00679	1	11/04/2021 00:09	WG1768143
1,2-Dichlorobenzene	U		0.000577	0.00679	1	11/04/2021 00:09	WG1768143
1,3-Dichlorobenzene	U		0.000815	0.00679	1	11/04/2021 00:09	WG1768143
1,4-Dichlorobenzene	U		0.000951	0.00679	1	11/04/2021 00:09	WG1768143
Dichlorodifluoromethane	U		0.00219	0.00340	1	11/04/2021 00:09	WG1768143
1,1-Dichloroethane	U		0.000667	0.00340	1	11/04/2021 00:09	WG1768143
1,2-Dichloroethane	U		0.000882	0.00340	1	11/04/2021 00:09	WG1768143
1,1-Dichloroethene	U		0.000823	0.00340	1	11/04/2021 00:09	WG1768143
cis-1,2-Dichloroethene	U		0.000997	0.00340	1	11/04/2021 00:09	WG1768143
trans-1,2-Dichloroethene	U		0.00141	0.00679	1	11/04/2021 00:09	WG1768143
1,2-Dichloropropane	U		0.00193	0.00679	1	11/04/2021 00:09	WG1768143
1,1-Dichloropropene	U		0.00110	0.00340	1	11/04/2021 00:09	WG1768143
1,3-Dichloropropane	U		0.000681	0.00679	1	11/04/2021 00:09	WG1768143
cis-1,3-Dichloropropene	U		0.00103	0.00340	1	11/04/2021 00:09	WG1768143
trans-1,3-Dichloropropene	U		0.00155	0.00679	1	11/04/2021 00:09	WG1768143
2,2-Dichloropropane	U		0.00188	0.00340	1	11/04/2021 00:09	WG1768143
Di-isopropyl ether	U		0.000557	0.00136	1	11/04/2021 00:09	WG1768143
Ethylbenzene	U		0.00100	0.00340	1	11/04/2021 00:09	WG1768143
Hexachloro-1,3-butadiene	U		0.00815	0.0340	1	11/04/2021 00:09	WG1768143
n-Hexane	U		0.00307	0.00679	1	11/04/2021 00:09	WG1768143
Isopropylbenzene	0.0160		0.000577	0.00340	1	11/04/2021 00:09	WG1768143
p-Isopropyltoluene	0.205		0.00346	0.00679	1	11/04/2021 00:09	WG1768143
2-Butanone (MEK)	U		0.0863	0.136	1	11/04/2021 00:09	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00902	0.0340	1	11/04/2021 00:09	WG1768143
4-Methyl-2-pentanone (MIBK)	0.0929		0.00310	0.0340	1	11/04/2021 00:09	WG1768143
Methyl tert-butyl ether	U		0.000476	0.00136	1	11/04/2021 00:09	WG1768143
Naphthalene	0.0465		0.00663	0.0170	1	11/04/2021 00:09	WG1768143
n-Propylbenzene	0.0526		0.00129	0.00679	1	11/04/2021 00:09	WG1768143
Styrene	U		0.000311	0.0170	1	11/04/2021 00:09	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00129	0.00340	1	11/04/2021 00:09	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000944	0.00340	1	11/04/2021 00:09	WG1768143
Tetrachloroethene	0.00145	J	0.00122	0.00340	1	11/04/2021 00:09	WG1768143
Toluene	U		0.00177	0.00679	1	11/04/2021 00:09	WG1768143
1,2,3-Trichlorobenzene	U		0.00996	0.0170	1	11/04/2021 00:09	WG1768143
1,2,4-Trichlorobenzene	0.0496		0.00598	0.0170	1	11/04/2021 00:09	WG1768143
1,1,1-Trichloroethane	U		0.00125	0.00340	1	11/04/2021 00:09	WG1768143
1,1,2-Trichloroethane	U		0.000811	0.00340	1	11/04/2021 00:09	WG1768143
Trichloroethene	U		0.000794	0.00136	1	11/04/2021 00:09	WG1768143
Trichlorofluoromethane	U		0.00112	0.00340	1	11/04/2021 00:09	WG1768143
1,2,3-Trichloropropane	U		0.00220	0.0170	1	11/04/2021 00:09	WG1768143
1,2,4-Trimethylbenzene	0.511		0.00215	0.00679	1	11/04/2021 00:09	WG1768143
1,3,5-Trimethylbenzene	0.614		0.00272	0.00679	1	11/04/2021 00:09	WG1768143
Vinyl chloride	U		0.00158	0.00340	1	11/04/2021 00:09	WG1768143
Xylenes, Total	0.00274	J	0.00120	0.00883	1	11/04/2021 00:09	WG1768143
(S) Toluene-d8	*97.9*			*75.0-131*		*11/04/2021 00:09*	WG1768143
(S) 4-Bromofluorobenzene	*99.7*			*67.0-138*		*11/04/2021 00:09*	WG1768143
(S) 1,2-Dichloroethane-d4	*99.0*			*70.0-130*		*11/04/2021 00:09*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	740		7.08	46.4	10	11/04/2021 00:58	WG1768215
C20-C34 Hydrocarbons	3460		14.2	92.8	20	11/04/2021 10:55	WG1768215
(S) o-Terphenyl	*148*			*18.0-148*		*11/04/2021 00:58*	WG1768215
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*11/04/2021 10:55*	WG1768215

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0137	0.0395	1	11/08/2021 03:42	WG1769931
PCB 1221	U		0.0137	0.0395	1	11/08/2021 03:42	WG1769931
PCB 1232	U		0.0137	0.0395	1	11/08/2021 03:42	WG1769931
PCB 1242	U		0.0137	0.0395	1	11/08/2021 03:42	WG1769931
PCB 1248	U		0.00856	0.0197	1	11/08/2021 03:42	WG1769931
PCB 1254	U		0.00856	0.0197	1	11/08/2021 03:42	WG1769931
PCB 1260	0.116	P	0.0428	0.0986	5	11/10/2021 16:28	WG1769931
(S) Decachlorobiphenyl	*92.8*			*10.0-135*		*11/10/2021 16:28*	WG1769931
(S) Decachlorobiphenyl	*92.6*			*10.0-135*		*11/08/2021 03:42*	WG1769931
(S) Tetrachloro-m-xylene	*88.5*			*10.0-139*		*11/08/2021 03:42*	WG1769931
(S) Tetrachloro-m-xylene	*113*			*10.0-139*		*11/10/2021 16:28*	WG1769931

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0216	J3	0.00267	0.00696	1	11/05/2021 20:15	WG1769470
Acenaphthene	0.0396	J3	0.00243	0.00696	1	11/05/2021 20:15	WG1769470
Acenaphthylene	U		0.00251	0.00696	1	11/05/2021 20:15	WG1769470
Benzo(a)anthracene	0.0407		0.00201	0.00696	1	11/05/2021 20:15	WG1769470

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Benzo(a)pyrene	0.0312		0.00208	0.00696	1	11/05/2021 20:15	WG1769470
Benzo(b)fluoranthene	0.0312		0.00178	0.00696	1	11/05/2021 20:15	WG1769470
Benzo(g,h,i)perylene	0.0237		0.00205	0.00696	1	11/05/2021 20:15	WG1769470
Benzo(k)fluoranthene	0.0370		0.00249	0.00696	1	11/05/2021 20:15	WG1769470
Chrysene	0.0469	J5	0.00269	0.00696	1	11/05/2021 20:15	WG1769470
Dibenz(a,h)anthracene	0.00339	J	0.00200	0.00696	1	11/05/2021 20:15	WG1769470
Fluoranthene	0.123	J3 J5	0.00263	0.00696	1	11/05/2021 20:15	WG1769470
Fluorene	0.0797	J3 J5	0.00238	0.00696	1	11/05/2021 20:15	WG1769470
Indeno(1,2,3-cd)pyrene	0.0171		0.00210	0.00696	1	11/05/2021 20:15	WG1769470
Naphthalene	0.0569		0.00473	0.0232	1	11/05/2021 20:15	WG1769470
Phenanthrene	0.410	J3 V	0.00268	0.00696	1	11/05/2021 20:15	WG1769470
Pyrene	0.333	J3 J5	0.00232	0.00696	1	11/05/2021 20:15	WG1769470
1-Methylnaphthalene	0.123	J3 J5	0.00521	0.0232	1	11/05/2021 20:15	WG1769470
2-Methylnaphthalene	0.0215	J	0.00495	0.0232	1	11/05/2021 20:15	WG1769470
2-Chloronaphthalene	U		0.00541	0.0232	1	11/05/2021 20:15	WG1769470
(S) Nitrobenzene-d5	*0.000*	J2		*14.0-149*		*11/05/2021 20:15*	WG1769470
(S) 2-Fluorobiphenyl	*62.9*			*34.0-125*		*11/05/2021 20:15*	WG1769470
(S) p-Terphenyl-d14	*82.5*			*23.0-120*		*11/05/2021 20:15*	WG1769470

Sample Narrative:

L1424325-10 WG1769470: Surrogate failure due to matrix interference

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.1		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	275		1.17	3.44	25	10/31/2021 03:00	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*97.8*			*77.0-120*		*10/31/2021 03:00*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0502	0.0687	1	11/04/2021 00:28	WG1768143
Acrylonitrile	U		0.00496	0.0172	1	11/04/2021 00:28	WG1768143
Benzene	U		0.000642	0.00137	1	11/04/2021 00:28	WG1768143
Bromobenzene	U		0.00124	0.0172	1	11/04/2021 00:28	WG1768143
Bromodichloromethane	U		0.000997	0.00344	1	11/04/2021 00:28	WG1768143
Bromoform	U		0.00161	0.0344	1	11/04/2021 00:28	WG1768143
Bromomethane	U		0.00271	0.0172	1	11/04/2021 00:28	WG1768143
n-Butylbenzene	0.808		0.00722	0.0172	1	11/04/2021 00:28	WG1768143
sec-Butylbenzene	0.958		0.00396	0.0172	1	11/04/2021 00:28	WG1768143
tert-Butylbenzene	0.0583		0.00268	0.00687	1	11/04/2021 00:28	WG1768143
Carbon tetrachloride	U		0.00123	0.00687	1	11/04/2021 00:28	WG1768143
Chlorobenzene	U		0.000289	0.00344	1	11/04/2021 00:28	WG1768143
Chlorodibromomethane	U		0.000841	0.00344	1	11/04/2021 00:28	WG1768143
Chloroethane	U		0.00234	0.00687	1	11/04/2021 00:28	WG1768143
Chloroform	U		0.00142	0.00344	1	11/04/2021 00:28	WG1768143
Chloromethane	U		0.00598	0.0172	1	11/04/2021 00:28	WG1768143
2-Chlorotoluene	U		0.00119	0.00344	1	11/04/2021 00:28	WG1768143
4-Chlorotoluene	U		0.000619	0.00687	1	11/04/2021 00:28	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00536	0.0344	1	11/04/2021 00:28	WG1768143
1,2-Dibromoethane	U		0.000891	0.00344	1	11/04/2021 00:28	WG1768143
Dibromomethane	U		0.00103	0.00687	1	11/04/2021 00:28	WG1768143
1,2-Dichlorobenzene	U		0.000584	0.00687	1	11/04/2021 00:28	WG1768143
1,3-Dichlorobenzene	U		0.000825	0.00687	1	11/04/2021 00:28	WG1768143
1,4-Dichlorobenzene	U		0.000962	0.00687	1	11/04/2021 00:28	WG1768143
Dichlorodifluoromethane	U		0.00221	0.00344	1	11/04/2021 00:28	WG1768143
1,1-Dichloroethane	U		0.000675	0.00344	1	11/04/2021 00:28	WG1768143
1,2-Dichloroethane	U		0.000892	0.00344	1	11/04/2021 00:28	WG1768143
1,1-Dichloroethene	U		0.000833	0.00344	1	11/04/2021 00:28	WG1768143
cis-1,2-Dichloroethene	U		0.00101	0.00344	1	11/04/2021 00:28	WG1768143
trans-1,2-Dichloroethene	U		0.00143	0.00687	1	11/04/2021 00:28	WG1768143
1,2-Dichloropropane	U		0.00195	0.00687	1	11/04/2021 00:28	WG1768143
1,1-Dichloropropene	U		0.00111	0.00344	1	11/04/2021 00:28	WG1768143
1,3-Dichloropropane	U		0.000689	0.00687	1	11/04/2021 00:28	WG1768143
cis-1,3-Dichloropropene	U		0.00104	0.00344	1	11/04/2021 00:28	WG1768143
trans-1,3-Dichloropropene	U		0.00157	0.00687	1	11/04/2021 00:28	WG1768143
2,2-Dichloropropane	U		0.00190	0.00344	1	11/04/2021 00:28	WG1768143
Di-isopropyl ether	U		0.000564	0.00137	1	11/04/2021 00:28	WG1768143
Ethylbenzene	U		0.00101	0.00344	1	11/04/2021 00:28	WG1768143
Hexachloro-1,3-butadiene	U		0.00825	0.0344	1	11/04/2021 00:28	WG1768143
n-Hexane	U		0.00311	0.00687	1	11/04/2021 00:28	WG1768143
Isopropylbenzene	0.0477		0.000584	0.00344	1	11/04/2021 00:28	WG1768143
p-Isopropyltoluene	0.425		0.00351	0.00687	1	11/04/2021 00:28	WG1768143
2-Butanone (MEK)	0.124	B J	0.0873	0.137	1	11/04/2021 00:28	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00913	0.0344	1	11/04/2021 00:28	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00313	0.0344	1	11/04/2021 00:28	WG1768143
Methyl tert-butyl ether	U		0.000481	0.00137	1	11/04/2021 00:28	WG1768143
Naphthalene	0.102		0.00671	0.0172	1	11/04/2021 00:28	WG1768143
n-Propylbenzene	0.133		0.00131	0.00687	1	11/04/2021 00:28	WG1768143
Styrene	U		0.000315	0.0172	1	11/04/2021 00:28	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00130	0.00344	1	11/04/2021 00:28	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000955	0.00344	1	11/04/2021 00:28	WG1768143
Tetrachloroethene	0.00249	J	0.00123	0.00344	1	11/04/2021 00:28	WG1768143
Toluene	U		0.00179	0.00687	1	11/04/2021 00:28	WG1768143
1,2,3-Trichlorobenzene	U		0.0101	0.0172	1	11/04/2021 00:28	WG1768143
1,2,4-Trichlorobenzene	0.0423		0.00605	0.0172	1	11/04/2021 00:28	WG1768143
1,1,1-Trichloroethane	U		0.00127	0.00344	1	11/04/2021 00:28	WG1768143
1,1,2-Trichloroethane	U		0.000821	0.00344	1	11/04/2021 00:28	WG1768143
Trichloroethene	U		0.000803	0.00137	1	11/04/2021 00:28	WG1768143
Trichlorofluoromethane	U		0.00114	0.00344	1	11/04/2021 00:28	WG1768143
1,2,3-Trichloropropane	U		0.00223	0.0172	1	11/04/2021 00:28	WG1768143
1,2,4-Trimethylbenzene	1.86		0.00217	0.00687	1	11/04/2021 00:28	WG1768143
1,3,5-Trimethylbenzene	1.51		0.00275	0.00687	1	11/04/2021 00:28	WG1768143
Vinyl chloride	U		0.00159	0.00344	1	11/04/2021 00:28	WG1768143
Xylenes, Total	0.00906		0.00121	0.00894	1	11/04/2021 00:28	WG1768143
(S) Toluene-d8	*101*			*75.0-131*		*11/04/2021 00:28*	WG1768143
(S) 4-Bromofluorobenzene	*108*			*67.0-138*		*11/04/2021 00:28*	WG1768143
(S) 1,2-Dichloroethane-d4	*99.2*			*70.0-130*		*11/04/2021 00:28*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	603	Q	3.54	23.2	5	12/04/2021 10:36	WG1783638
C20-C34 Hydrocarbons	2700	Q	17.8	116	25	12/04/2021 14:21	WG1783638
(S) o-Terphenyl	*199*	J1		*18.0-148*		*12/04/2021 10:36*	WG1783638
(S) o-Terphenyl	*0.000*	J7		*18.0-148*		*12/04/2021 14:21*	WG1783638

Sample Narrative:

L1424325-11 WG1783638: Surrogate failure due to matrix interference

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0137	0.0395	1	11/08/2021 03:52	WG1769931
PCB 1221	U		0.0137	0.0395	1	11/08/2021 03:52	WG1769931
PCB 1232	U		0.0137	0.0395	1	11/08/2021 03:52	WG1769931
PCB 1242	U		0.0137	0.0395	1	11/08/2021 03:52	WG1769931
PCB 1248	U		0.00857	0.0197	1	11/08/2021 03:52	WG1769931
PCB 1254	U		0.00857	0.0197	1	11/08/2021 03:52	WG1769931
PCB 1260	0.213	P	0.0172	0.0395	2	11/10/2021 16:19	WG1769931
(S) Decachlorobiphenyl	*106*			*10.0-135*		*11/08/2021 03:52*	WG1769931
(S) Decachlorobiphenyl	*109*			*10.0-135*		*11/10/2021 16:19*	WG1769931
(S) Tetrachloro-m-xylene	*109*			*10.0-139*		*11/08/2021 03:52*	WG1769931
(S) Tetrachloro-m-xylene	*139*			*10.0-139*		*11/10/2021 16:19*	WG1769931

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0414		0.00267	0.00697	1	11/05/2021 21:10	WG1769470
Acenaphthene	0.0714		0.00243	0.00697	1	11/05/2021 21:10	WG1769470
Acenaphthylene	U		0.00251	0.00697	1	11/05/2021 21:10	WG1769470
Benzo(a)anthracene	0.0721		0.00201	0.00697	1	11/05/2021 21:10	WG1769470
Benzo(a)pyrene	0.0599		0.00208	0.00697	1	11/05/2021 21:10	WG1769470
Benzo(b)fluoranthene	0.0639		0.00178	0.00697	1	11/05/2021 21:10	WG1769470
Benzo(g,h,i)perylene	0.0460		0.00206	0.00697	1	11/05/2021 21:10	WG1769470
Benzo(k)fluoranthene	0.0632		0.00250	0.00697	1	11/05/2021 21:10	WG1769470
Chrysene	0.0861		0.00270	0.00697	1	11/05/2021 21:10	WG1769470
Dibenz(a,h)anthracene	0.00663	J	0.00200	0.00697	1	11/05/2021 21:10	WG1769470
Fluoranthene	0.242		0.00264	0.00697	1	11/05/2021 21:10	WG1769470
Fluorene	0.144		0.00238	0.00697	1	11/05/2021 21:10	WG1769470
Indeno(1,2,3-cd)pyrene	0.0319		0.00210	0.00697	1	11/05/2021 21:10	WG1769470
Naphthalene	0.0962		0.00474	0.0232	1	11/05/2021 21:10	WG1769470
Phenanthrene	0.761		0.00268	0.00697	1	11/05/2021 21:10	WG1769470
Pyrene	0.592		0.00232	0.00697	1	11/05/2021 21:10	WG1769470
1-Methylnaphthalene	0.0972		0.00522	0.0232	1	11/05/2021 21:10	WG1769470
2-Methylnaphthalene	U		0.00496	0.0232	1	11/05/2021 21:10	WG1769470
2-Chloronaphthalene	U		0.00541	0.0232	1	11/05/2021 21:10	WG1769470
(S) Nitrobenzene-d5	*0.000*	J2		*14.0-149*		*11/05/2021 21:10*	WG1769470
(S) 2-Fluorobiphenyl	*72.0*			*34.0-125*		*11/05/2021 21:10*	WG1769470
(S) p-Terphenyl-d14	*95.9*			*23.0-120*		*11/05/2021 21:10*	WG1769470

Sample Narrative:

L1424325-11 WG1769470: Surrogate failure due to matrix interference

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	92.7		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	1.31	J	0.991	2.92	25	10/31/2021 03:22	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*94.5*			*77.0-120*		*10/31/2021 03:22*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0427	0.0584	1	11/04/2021 00:47	WG1768143
Acrylonitrile	U		0.00422	0.0146	1	11/04/2021 00:47	WG1768143
Benzene	0.00107	J	0.000546	0.00117	1	11/04/2021 00:47	WG1768143
Bromobenzene	U		0.00105	0.0146	1	11/04/2021 00:47	WG1768143
Bromodichloromethane	U		0.000847	0.00292	1	11/04/2021 00:47	WG1768143
Bromoform	U		0.00137	0.0292	1	11/04/2021 00:47	WG1768143
Bromomethane	U		0.00230	0.0146	1	11/04/2021 00:47	WG1768143
n-Butylbenzene	0.0109	J	0.00614	0.0146	1	11/04/2021 00:47	WG1768143
sec-Butylbenzene	0.00930	J	0.00337	0.0146	1	11/04/2021 00:47	WG1768143
tert-Butylbenzene	U		0.00228	0.00584	1	11/04/2021 00:47	WG1768143
Carbon tetrachloride	U		0.00105	0.00584	1	11/04/2021 00:47	WG1768143
Chlorobenzene	U		0.000245	0.00292	1	11/04/2021 00:47	WG1768143
Chlorodibromomethane	U		0.000715	0.00292	1	11/04/2021 00:47	WG1768143
Chloroethane	U		0.00199	0.00584	1	11/04/2021 00:47	WG1768143
Chloroform	U		0.00120	0.00292	1	11/04/2021 00:47	WG1768143
Chloromethane	U		0.00508	0.0146	1	11/04/2021 00:47	WG1768143
2-Chlorotoluene	U		0.00101	0.00292	1	11/04/2021 00:47	WG1768143
4-Chlorotoluene	U		0.000526	0.00584	1	11/04/2021 00:47	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00456	0.0292	1	11/04/2021 00:47	WG1768143
1,2-Dibromoethane	U		0.000757	0.00292	1	11/04/2021 00:47	WG1768143
Dibromomethane	U		0.000876	0.00584	1	11/04/2021 00:47	WG1768143
1,2-Dichlorobenzene	U		0.000497	0.00584	1	11/04/2021 00:47	WG1768143
1,3-Dichlorobenzene	U		0.000701	0.00584	1	11/04/2021 00:47	WG1768143
1,4-Dichlorobenzene	U		0.000818	0.00584	1	11/04/2021 00:47	WG1768143
Dichlorodifluoromethane	U		0.00188	0.00292	1	11/04/2021 00:47	WG1768143
1,1-Dichloroethane	U		0.000574	0.00292	1	11/04/2021 00:47	WG1768143
1,2-Dichloroethane	U		0.000758	0.00292	1	11/04/2021 00:47	WG1768143
1,1-Dichloroethene	U		0.000708	0.00292	1	11/04/2021 00:47	WG1768143
cis-1,2-Dichloroethene	U		0.000858	0.00292	1	11/04/2021 00:47	WG1768143
trans-1,2-Dichloroethene	U		0.00122	0.00584	1	11/04/2021 00:47	WG1768143
1,2-Dichloropropane	U		0.00166	0.00584	1	11/04/2021 00:47	WG1768143
1,1-Dichloropropene	U		0.000945	0.00292	1	11/04/2021 00:47	WG1768143
1,3-Dichloropropane	U		0.000585	0.00584	1	11/04/2021 00:47	WG1768143
cis-1,3-Dichloropropene	U		0.000885	0.00292	1	11/04/2021 00:47	WG1768143
trans-1,3-Dichloropropene	U		0.00133	0.00584	1	11/04/2021 00:47	WG1768143
2,2-Dichloropropane	U		0.00161	0.00292	1	11/04/2021 00:47	WG1768143
Di-isopropyl ether	U		0.000479	0.00117	1	11/04/2021 00:47	WG1768143
Ethylbenzene	0.00264	J	0.000861	0.00292	1	11/04/2021 00:47	WG1768143
Hexachloro-1,3-butadiene	U		0.00701	0.0292	1	11/04/2021 00:47	WG1768143
n-Hexane	U		0.00264	0.00584	1	11/04/2021 00:47	WG1768143
Isopropylbenzene	0.00183	J	0.000497	0.00292	1	11/04/2021 00:47	WG1768143
p-Isopropyltoluene	0.00427	J	0.00298	0.00584	1	11/04/2021 00:47	WG1768143
2-Butanone (MEK)	U		0.0742	0.117	1	11/04/2021 00:47	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00776	0.0292	1	11/04/2021 00:47	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00266	0.0292	1	11/04/2021 00:47	WG1768143
Methyl tert-butyl ether	U		0.000409	0.00117	1	11/04/2021 00:47	WG1768143
Naphthalene	0.0169		0.00570	0.0146	1	11/04/2021 00:47	WG1768143
n-Propylbenzene	0.00335	J	0.00111	0.00584	1	11/04/2021 00:47	WG1768143
Styrene	U		0.000268	0.0146	1	11/04/2021 00:47	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00111	0.00292	1	11/04/2021 00:47	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000812	0.00292	1	11/04/2021 00:47	WG1768143
Tetrachloroethene	0.00841		0.00105	0.00292	1	11/04/2021 00:47	WG1768143
Toluene	0.00511	J	0.00152	0.00584	1	11/04/2021 00:47	WG1768143
1,2,3-Trichlorobenzene	U		0.00857	0.0146	1	11/04/2021 00:47	WG1768143
1,2,4-Trichlorobenzene	U		0.00514	0.0146	1	11/04/2021 00:47	WG1768143
1,1,1-Trichloroethane	U		0.00108	0.00292	1	11/04/2021 00:47	WG1768143
1,1,2-Trichloroethane	U		0.000698	0.00292	1	11/04/2021 00:47	WG1768143
Trichloroethene	0.00645		0.000682	0.00117	1	11/04/2021 00:47	WG1768143
Trichlorofluoromethane	U		0.000966	0.00292	1	11/04/2021 00:47	WG1768143
1,2,3-Trichloropropane	U		0.00189	0.0146	1	11/04/2021 00:47	WG1768143
1,2,4-Trimethylbenzene	0.0180		0.00185	0.00584	1	11/04/2021 00:47	WG1768143
1,3,5-Trimethylbenzene	0.0114		0.00234	0.00584	1	11/04/2021 00:47	WG1768143
Vinyl chloride	U		0.00136	0.00292	1	11/04/2021 00:47	WG1768143
Xylenes, Total	0.0193		0.00103	0.00760	1	11/04/2021 00:47	WG1768143
(S) Toluene-d8	*103*			*75.0-131*		*11/04/2021 00:47*	WG1768143
(S) 4-Bromofluorobenzene	*103*			*67.0-138*		*11/04/2021 00:47*	WG1768143
(S) 1,2-Dichloroethane-d4	*99.4*			*70.0-130*		*11/04/2021 00:47*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	12.5	Q	0.658	4.31	1	12/04/2021 13:56	WG1783638
C20-C34 Hydrocarbons	67.7	Q	0.659	4.31	1	12/04/2021 13:56	WG1783638
(S) o-Terphenyl	*83.4*			*18.0-148*		*12/04/2021 13:56*	WG1783638

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.9		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.18	3.47	25	10/31/2021 03:44	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*94.5*			*77.0-120*		*10/31/2021 03:44*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0507	0.0694	1	11/04/2021 01:06	WG1768143
Acrylonitrile	U		0.00501	0.0173	1	11/04/2021 01:06	WG1768143
Benzene	U		0.000648	0.00139	1	11/04/2021 01:06	WG1768143
Bromobenzene	U		0.00125	0.0173	1	11/04/2021 01:06	WG1768143
Bromodichloromethane	U		0.00101	0.00347	1	11/04/2021 01:06	WG1768143
Bromoform	U		0.00162	0.0347	1	11/04/2021 01:06	WG1768143
Bromomethane	U		0.00273	0.0173	1	11/04/2021 01:06	WG1768143
n-Butylbenzene	U		0.00729	0.0173	1	11/04/2021 01:06	WG1768143
sec-Butylbenzene	U		0.00400	0.0173	1	11/04/2021 01:06	WG1768143
tert-Butylbenzene	U		0.00271	0.00694	1	11/04/2021 01:06	WG1768143
Carbon tetrachloride	U		0.00125	0.00694	1	11/04/2021 01:06	WG1768143
Chlorobenzene	U		0.000291	0.00347	1	11/04/2021 01:06	WG1768143
Chlorodibromomethane	U		0.000849	0.00347	1	11/04/2021 01:06	WG1768143
Chloroethane	U		0.00236	0.00694	1	11/04/2021 01:06	WG1768143
Chloroform	U		0.00143	0.00347	1	11/04/2021 01:06	WG1768143
Chloromethane	U		0.00604	0.0173	1	11/04/2021 01:06	WG1768143
2-Chlorotoluene	U		0.00120	0.00347	1	11/04/2021 01:06	WG1768143
4-Chlorotoluene	U		0.000625	0.00694	1	11/04/2021 01:06	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00541	0.0347	1	11/04/2021 01:06	WG1768143
1,2-Dibromoethane	U		0.000899	0.00347	1	11/04/2021 01:06	WG1768143
Dibromomethane	U		0.00104	0.00694	1	11/04/2021 01:06	WG1768143
1,2-Dichlorobenzene	U		0.000590	0.00694	1	11/04/2021 01:06	WG1768143
1,3-Dichlorobenzene	U		0.000833	0.00694	1	11/04/2021 01:06	WG1768143
1,4-Dichlorobenzene	U		0.000972	0.00694	1	11/04/2021 01:06	WG1768143
Dichlorodifluoromethane	U		0.00223	0.00347	1	11/04/2021 01:06	WG1768143
1,1-Dichloroethane	U		0.000681	0.00347	1	11/04/2021 01:06	WG1768143
1,2-Dichloroethane	U		0.000901	0.00347	1	11/04/2021 01:06	WG1768143
1,1-Dichloroethene	U		0.000841	0.00347	1	11/04/2021 01:06	WG1768143
cis-1,2-Dichloroethene	U		0.00102	0.00347	1	11/04/2021 01:06	WG1768143
trans-1,2-Dichloroethene	U		0.00144	0.00694	1	11/04/2021 01:06	WG1768143
1,2-Dichloropropane	U		0.00197	0.00694	1	11/04/2021 01:06	WG1768143
1,1-Dichloropropene	U		0.00112	0.00347	1	11/04/2021 01:06	WG1768143
1,3-Dichloropropane	U		0.000695	0.00694	1	11/04/2021 01:06	WG1768143
cis-1,3-Dichloropropene	U		0.00105	0.00347	1	11/04/2021 01:06	WG1768143
trans-1,3-Dichloropropene	U		0.00158	0.00694	1	11/04/2021 01:06	WG1768143
2,2-Dichloropropane	U		0.00192	0.00347	1	11/04/2021 01:06	WG1768143
Di-isopropyl ether	U		0.000569	0.00139	1	11/04/2021 01:06	WG1768143
Ethylbenzene	U		0.00102	0.00347	1	11/04/2021 01:06	WG1768143
Hexachloro-1,3-butadiene	U		0.00833	0.0347	1	11/04/2021 01:06	WG1768143
n-Hexane	U		0.00314	0.00694	1	11/04/2021 01:06	WG1768143
Isopropylbenzene	U		0.000590	0.00347	1	11/04/2021 01:06	WG1768143
p-Isopropyltoluene	U		0.00354	0.00694	1	11/04/2021 01:06	WG1768143
2-Butanone (MEK)	U		0.0881	0.139	1	11/04/2021 01:06	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00922	0.0347	1	11/04/2021 01:06	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00316	0.0347	1	11/04/2021 01:06	WG1768143
Methyl tert-butyl ether	U		0.000486	0.00139	1	11/04/2021 01:06	WG1768143
Naphthalene	U		0.00677	0.0173	1	11/04/2021 01:06	WG1768143
n-Propylbenzene	U		0.00132	0.00694	1	11/04/2021 01:06	WG1768143
Styrene	U		0.000318	0.0173	1	11/04/2021 01:06	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00132	0.00347	1	11/04/2021 01:06	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000965	0.00347	1	11/04/2021 01:06	WG1768143
Tetrachloroethene	U		0.00124	0.00347	1	11/04/2021 01:06	WG1768143
Toluene	U		0.00180	0.00694	1	11/04/2021 01:06	WG1768143
1,2,3-Trichlorobenzene	U		0.0102	0.0173	1	11/04/2021 01:06	WG1768143
1,2,4-Trichlorobenzene	U		0.00611	0.0173	1	11/04/2021 01:06	WG1768143
1,1,1-Trichloroethane	U		0.00128	0.00347	1	11/04/2021 01:06	WG1768143
1,1,2-Trichloroethane	U		0.000829	0.00347	1	11/04/2021 01:06	WG1768143
Trichloroethene	U		0.000811	0.00139	1	11/04/2021 01:06	WG1768143
Trichlorofluoromethane	U		0.00115	0.00347	1	11/04/2021 01:06	WG1768143
1,2,3-Trichloropropane	U		0.00225	0.0173	1	11/04/2021 01:06	WG1768143
1,2,4-Trimethylbenzene	U		0.00219	0.00694	1	11/04/2021 01:06	WG1768143
1,3,5-Trimethylbenzene	U		0.00278	0.00694	1	11/04/2021 01:06	WG1768143
Vinyl chloride	U		0.00161	0.00347	1	11/04/2021 01:06	WG1768143
Xylenes, Total	U		0.00122	0.00902	1	11/04/2021 01:06	WG1768143
(S) Toluene-d8	*105*			*75.0-131*		*11/04/2021 01:06*	WG1768143
(S) 4-Bromofluorobenzene	*100*			*67.0-138*		*11/04/2021 01:06*	WG1768143
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*		*11/04/2021 01:06*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	0.966	J	0.710	4.66	1	11/03/2021 23:03	WG1768215
C20-C34 Hydrocarbons	1.03	J	0.711	4.66	1	11/03/2021 23:03	WG1768215
(S) o-Terphenyl	*43.0*			*18.0-148*		*11/03/2021 23:03*	WG1768215

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
PCB 1016	U		0.0137	0.0396	1	11/08/2021 04:03	WG1769931
PCB 1221	U		0.0137	0.0396	1	11/08/2021 04:03	WG1769931
PCB 1232	U		0.0137	0.0396	1	11/08/2021 04:03	WG1769931
PCB 1242	U		0.0137	0.0396	1	11/08/2021 04:03	WG1769931
PCB 1248	U		0.00859	0.0198	1	11/08/2021 04:03	WG1769931
PCB 1254	U		0.00859	0.0198	1	11/08/2021 04:03	WG1769931
PCB 1260	U		0.00859	0.0198	1	11/08/2021 04:03	WG1769931
(S) Decachlorobiphenyl	*74.0*			*10.0-135*		*11/08/2021 04:03*	WG1769931
(S) Tetrachloro-m-xylene	*68.6*			*10.0-139*		*11/08/2021 04:03*	WG1769931

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	86.2		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.16	3.42	25	10/31/2021 04:06	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*94.9*			*77.0-120*		*10/31/2021 04:06*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0499	0.0684	1	11/04/2021 01:25	WG1768143
Acrylonitrile	U		0.00494	0.0171	1	11/04/2021 01:25	WG1768143
Benzene	U		0.000639	0.00137	1	11/04/2021 01:25	WG1768143
Bromobenzene	U		0.00123	0.0171	1	11/04/2021 01:25	WG1768143
Bromodichloromethane	U		0.000991	0.00342	1	11/04/2021 01:25	WG1768143
Bromoform	U		0.00160	0.0342	1	11/04/2021 01:25	WG1768143
Bromomethane	U		0.00269	0.0171	1	11/04/2021 01:25	WG1768143
n-Butylbenzene	U		0.00718	0.0171	1	11/04/2021 01:25	WG1768143
sec-Butylbenzene	U		0.00394	0.0171	1	11/04/2021 01:25	WG1768143
tert-Butylbenzene	U		0.00267	0.00684	1	11/04/2021 01:25	WG1768143
Carbon tetrachloride	U		0.00123	0.00684	1	11/04/2021 01:25	WG1768143
Chlorobenzene	U		0.000287	0.00342	1	11/04/2021 01:25	WG1768143
Chlorodibromomethane	U		0.000837	0.00342	1	11/04/2021 01:25	WG1768143
Chloroethane	U		0.00232	0.00684	1	11/04/2021 01:25	WG1768143
Chloroform	U		0.00141	0.00342	1	11/04/2021 01:25	WG1768143
Chloromethane	U		0.00595	0.0171	1	11/04/2021 01:25	WG1768143
2-Chlorotoluene	U		0.00118	0.00342	1	11/04/2021 01:25	WG1768143
4-Chlorotoluene	U		0.000615	0.00684	1	11/04/2021 01:25	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00533	0.0342	1	11/04/2021 01:25	WG1768143
1,2-Dibromoethane	U		0.000886	0.00342	1	11/04/2021 01:25	WG1768143
Dibromomethane	U		0.00103	0.00684	1	11/04/2021 01:25	WG1768143
1,2-Dichlorobenzene	U		0.000581	0.00684	1	11/04/2021 01:25	WG1768143
1,3-Dichlorobenzene	U		0.000820	0.00684	1	11/04/2021 01:25	WG1768143
1,4-Dichlorobenzene	U		0.000957	0.00684	1	11/04/2021 01:25	WG1768143
Dichlorodifluoromethane	U		0.00220	0.00342	1	11/04/2021 01:25	WG1768143
1,1-Dichloroethane	U		0.000671	0.00342	1	11/04/2021 01:25	WG1768143
1,2-Dichloroethane	U		0.000887	0.00342	1	11/04/2021 01:25	WG1768143
1,1-Dichloroethene	U		0.000829	0.00342	1	11/04/2021 01:25	WG1768143
cis-1,2-Dichloroethene	U		0.00100	0.00342	1	11/04/2021 01:25	WG1768143
trans-1,2-Dichloroethene	U		0.00142	0.00684	1	11/04/2021 01:25	WG1768143
1,2-Dichloropropane	U		0.00194	0.00684	1	11/04/2021 01:25	WG1768143
1,1-Dichloropropene	U		0.00111	0.00342	1	11/04/2021 01:25	WG1768143
1,3-Dichloropropane	U		0.000685	0.00684	1	11/04/2021 01:25	WG1768143
cis-1,3-Dichloropropene	U		0.00104	0.00342	1	11/04/2021 01:25	WG1768143
trans-1,3-Dichloropropene	U		0.00156	0.00684	1	11/04/2021 01:25	WG1768143
2,2-Dichloropropane	U		0.00189	0.00342	1	11/04/2021 01:25	WG1768143
Di-isopropyl ether	U		0.000561	0.00137	1	11/04/2021 01:25	WG1768143
Ethylbenzene	U		0.00101	0.00342	1	11/04/2021 01:25	WG1768143
Hexachloro-1,3-butadiene	U		0.00820	0.0342	1	11/04/2021 01:25	WG1768143
n-Hexane	U		0.00309	0.00684	1	11/04/2021 01:25	WG1768143
Isopropylbenzene	U		0.000581	0.00342	1	11/04/2021 01:25	WG1768143
p-Isopropyltoluene	U		0.00349	0.00684	1	11/04/2021 01:25	WG1768143
2-Butanone (MEK)	U		0.0868	0.137	1	11/04/2021 01:25	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00908	0.0342	1	11/04/2021 01:25	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00312	0.0342	1	11/04/2021 01:25	WG1768143
Methyl tert-butyl ether	U		0.000479	0.00137	1	11/04/2021 01:25	WG1768143
Naphthalene	U		0.00667	0.0171	1	11/04/2021 01:25	WG1768143
n-Propylbenzene	U		0.00130	0.00684	1	11/04/2021 01:25	WG1768143
Styrene	U		0.000313	0.0171	1	11/04/2021 01:25	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00130	0.00342	1	11/04/2021 01:25	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000950	0.00342	1	11/04/2021 01:25	WG1768143
Tetrachloroethene	U		0.00123	0.00342	1	11/04/2021 01:25	WG1768143
Toluene	U		0.00178	0.00684	1	11/04/2021 01:25	WG1768143
1,2,3-Trichlorobenzene	U		0.0100	0.0171	1	11/04/2021 01:25	WG1768143
1,2,4-Trichlorobenzene	U		0.00602	0.0171	1	11/04/2021 01:25	WG1768143
1,1,1-Trichloroethane	U		0.00126	0.00342	1	11/04/2021 01:25	WG1768143
1,1,2-Trichloroethane	U		0.000816	0.00342	1	11/04/2021 01:25	WG1768143
Trichloroethene	0.00490		0.000799	0.00137	1	11/04/2021 01:25	WG1768143
Trichlorofluoromethane	U		0.00113	0.00342	1	11/04/2021 01:25	WG1768143
1,2,3-Trichloropropane	U		0.00222	0.0171	1	11/04/2021 01:25	WG1768143
1,2,4-Trimethylbenzene	U		0.00216	0.00684	1	11/04/2021 01:25	WG1768143
1,3,5-Trimethylbenzene	U		0.00273	0.00684	1	11/04/2021 01:25	WG1768143
Vinyl chloride	U		0.00159	0.00342	1	11/04/2021 01:25	WG1768143
Xylenes, Total	U		0.00120	0.00889	1	11/04/2021 01:25	WG1768143
(S) Toluene-d8	*103*			*75.0-131*		*11/04/2021 01:25*	WG1768143
(S) 4-Bromofluorobenzene	*98.0*			*67.0-138*		*11/04/2021 01:25*	WG1768143
(S) 1,2-Dichloroethane-d4	*99.7*			*70.0-130*		*11/04/2021 01:25*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	U		0.708	4.64	1	11/03/2021 23:16	WG1768215
C20-C34 Hydrocarbons	U		0.709	4.64	1	11/03/2021 23:16	WG1768215
(S) o-Terphenyl	*56.8*			*18.0-148*		*11/03/2021 23:16*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.7		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	1.81	J	1.19	3.51	25	10/31/2021 04:27	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*97.6*			*77.0-120*		*10/31/2021 04:27*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0513	0.0702	1	11/04/2021 01:44	WG1768143
Acrylonitrile	U		0.00507	0.0176	1	11/04/2021 01:44	WG1768143
Benzene	0.00140	J	0.000656	0.00140	1	11/04/2021 01:44	WG1768143
Bromobenzene	U		0.00126	0.0176	1	11/04/2021 01:44	WG1768143
Bromodichloromethane	U		0.00102	0.00351	1	11/04/2021 01:44	WG1768143
Bromoform	U		0.00164	0.0351	1	11/04/2021 01:44	WG1768143
Bromomethane	U		0.00277	0.0176	1	11/04/2021 01:44	WG1768143
n-Butylbenzene	U		0.00737	0.0176	1	11/04/2021 01:44	WG1768143
sec-Butylbenzene	U		0.00404	0.0176	1	11/04/2021 01:44	WG1768143
tert-Butylbenzene	U		0.00274	0.00702	1	11/04/2021 01:44	WG1768143
Carbon tetrachloride	U		0.00126	0.00702	1	11/04/2021 01:44	WG1768143
Chlorobenzene	U		0.000295	0.00351	1	11/04/2021 01:44	WG1768143
Chlorodibromomethane	U		0.000860	0.00351	1	11/04/2021 01:44	WG1768143
Chloroethane	U		0.00239	0.00702	1	11/04/2021 01:44	WG1768143
Chloroform	U		0.00145	0.00351	1	11/04/2021 01:44	WG1768143
Chloromethane	U		0.00611	0.0176	1	11/04/2021 01:44	WG1768143
2-Chlorotoluene	U		0.00121	0.00351	1	11/04/2021 01:44	WG1768143
4-Chlorotoluene	U		0.000632	0.00702	1	11/04/2021 01:44	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00548	0.0351	1	11/04/2021 01:44	WG1768143
1,2-Dibromoethane	U		0.000910	0.00351	1	11/04/2021 01:44	WG1768143
Dibromomethane	U		0.00105	0.00702	1	11/04/2021 01:44	WG1768143
1,2-Dichlorobenzene	U		0.000597	0.00702	1	11/04/2021 01:44	WG1768143
1,3-Dichlorobenzene	U		0.000843	0.00702	1	11/04/2021 01:44	WG1768143
1,4-Dichlorobenzene	U		0.000983	0.00702	1	11/04/2021 01:44	WG1768143
Dichlorodifluoromethane	U		0.00226	0.00351	1	11/04/2021 01:44	WG1768143
1,1-Dichloroethane	0.00583		0.000690	0.00351	1	11/04/2021 01:44	WG1768143
1,2-Dichloroethane	U		0.000911	0.00351	1	11/04/2021 01:44	WG1768143
1,1-Dichloroethene	U		0.000851	0.00351	1	11/04/2021 01:44	WG1768143
cis-1,2-Dichloroethene	0.0256		0.00103	0.00351	1	11/04/2021 01:44	WG1768143
trans-1,2-Dichloroethene	U		0.00146	0.00702	1	11/04/2021 01:44	WG1768143
1,2-Dichloropropane	U		0.00199	0.00702	1	11/04/2021 01:44	WG1768143
1,1-Dichloropropene	U		0.00114	0.00351	1	11/04/2021 01:44	WG1768143
1,3-Dichloropropane	U		0.000704	0.00702	1	11/04/2021 01:44	WG1768143
cis-1,3-Dichloropropene	U		0.00106	0.00351	1	11/04/2021 01:44	WG1768143
trans-1,3-Dichloropropene	U		0.00160	0.00702	1	11/04/2021 01:44	WG1768143
2,2-Dichloropropane	U		0.00194	0.00351	1	11/04/2021 01:44	WG1768143
Di-isopropyl ether	U		0.000576	0.00140	1	11/04/2021 01:44	WG1768143
Ethylbenzene	U		0.00104	0.00351	1	11/04/2021 01:44	WG1768143
Hexachloro-1,3-butadiene	U		0.00843	0.0351	1	11/04/2021 01:44	WG1768143
n-Hexane	U		0.00317	0.00702	1	11/04/2021 01:44	WG1768143
Isopropylbenzene	U		0.000597	0.00351	1	11/04/2021 01:44	WG1768143
p-Isopropyltoluene	U		0.00358	0.00702	1	11/04/2021 01:44	WG1768143
2-Butanone (MEK)	U		0.0892	0.140	1	11/04/2021 01:44	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00933	0.0351	1	11/04/2021 01:44	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00320	0.0351	1	11/04/2021 01:44	WG1768143
Methyl tert-butyl ether	U		0.000492	0.00140	1	11/04/2021 01:44	WG1768143
Naphthalene	U		0.00685	0.0176	1	11/04/2021 01:44	WG1768143
n-Propylbenzene	U		0.00133	0.00702	1	11/04/2021 01:44	WG1768143
Styrene	U		0.000322	0.0176	1	11/04/2021 01:44	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00133	0.00351	1	11/04/2021 01:44	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000976	0.00351	1	11/04/2021 01:44	WG1768143
Tetrachloroethene	U		0.00126	0.00351	1	11/04/2021 01:44	WG1768143
Toluene	U		0.00183	0.00702	1	11/04/2021 01:44	WG1768143
1,2,3-Trichlorobenzene	U		0.0103	0.0176	1	11/04/2021 01:44	WG1768143
1,2,4-Trichlorobenzene	U		0.00618	0.0176	1	11/04/2021 01:44	WG1768143
1,1,1-Trichloroethane	U		0.00130	0.00351	1	11/04/2021 01:44	WG1768143
1,1,2-Trichloroethane	U		0.000838	0.00351	1	11/04/2021 01:44	WG1768143
Trichloroethene	0.347		0.000820	0.00140	1	11/04/2021 01:44	WG1768143
Trichlorofluoromethane	U		0.00116	0.00351	1	11/04/2021 01:44	WG1768143
1,2,3-Trichloropropane	U		0.00228	0.0176	1	11/04/2021 01:44	WG1768143
1,2,4-Trimethylbenzene	U		0.00222	0.00702	1	11/04/2021 01:44	WG1768143
1,3,5-Trimethylbenzene	U		0.00281	0.00702	1	11/04/2021 01:44	WG1768143
Vinyl chloride	U		0.00163	0.00351	1	11/04/2021 01:44	WG1768143
Xylenes, Total	0.00229	J	0.00124	0.00913	1	11/04/2021 01:44	WG1768143
(S) Toluene-d8	*103*			*75.0-131*		*11/04/2021 01:44*	WG1768143
(S) 4-Bromofluorobenzene	*104*			*67.0-138*		*11/04/2021 01:44*	WG1768143
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*11/04/2021 01:44*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	8.33		0.712	4.67	1	11/03/2021 23:29	WG1768215
C20-C34 Hydrocarbons	9.26		0.713	4.67	1	11/03/2021 23:29	WG1768215
(S) o-Terphenyl	*47.7*			*18.0-148*		*11/03/2021 23:29*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	88.6		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	1.20	J	1.11	3.26	25	10/31/2021 04:49	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*93.1*			*77.0-120*		*10/31/2021 04:49*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0476	0.0652	1	11/04/2021 02:03	WG1768143
Acrylonitrile	U		0.00471	0.0163	1	11/04/2021 02:03	WG1768143
Benzene	0.00434		0.000609	0.00130	1	11/04/2021 02:03	WG1768143
Bromobenzene	U		0.00117	0.0163	1	11/04/2021 02:03	WG1768143
Bromodichloromethane	U		0.000946	0.00326	1	11/04/2021 02:03	WG1768143
Bromoform	U		0.00153	0.0326	1	11/04/2021 02:03	WG1768143
Bromomethane	U		0.00257	0.0163	1	11/04/2021 02:03	WG1768143
n-Butylbenzene	U		0.00685	0.0163	1	11/04/2021 02:03	WG1768143
sec-Butylbenzene	U		0.00376	0.0163	1	11/04/2021 02:03	WG1768143
tert-Butylbenzene	U		0.00254	0.00652	1	11/04/2021 02:03	WG1768143
Carbon tetrachloride	U		0.00117	0.00652	1	11/04/2021 02:03	WG1768143
Chlorobenzene	U		0.000274	0.00326	1	11/04/2021 02:03	WG1768143
Chlorodibromomethane	U		0.000798	0.00326	1	11/04/2021 02:03	WG1768143
Chloroethane	U		0.00222	0.00652	1	11/04/2021 02:03	WG1768143
Chloroform	U		0.00134	0.00326	1	11/04/2021 02:03	WG1768143
Chloromethane	U		0.00568	0.0163	1	11/04/2021 02:03	WG1768143
2-Chlorotoluene	U		0.00113	0.00326	1	11/04/2021 02:03	WG1768143
4-Chlorotoluene	U		0.000587	0.00652	1	11/04/2021 02:03	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00509	0.0326	1	11/04/2021 02:03	WG1768143
1,2-Dibromoethane	U		0.000845	0.00326	1	11/04/2021 02:03	WG1768143
Dibromomethane	U		0.000978	0.00652	1	11/04/2021 02:03	WG1768143
1,2-Dichlorobenzene	U		0.000554	0.00652	1	11/04/2021 02:03	WG1768143
1,3-Dichlorobenzene	U		0.000783	0.00652	1	11/04/2021 02:03	WG1768143
1,4-Dichlorobenzene	U		0.000913	0.00652	1	11/04/2021 02:03	WG1768143
Dichlorodifluoromethane	U		0.00210	0.00326	1	11/04/2021 02:03	WG1768143
1,1-Dichloroethane	U		0.000641	0.00326	1	11/04/2021 02:03	WG1768143
1,2-Dichloroethane	U		0.000847	0.00326	1	11/04/2021 02:03	WG1768143
1,1-Dichloroethene	U		0.000791	0.00326	1	11/04/2021 02:03	WG1768143
cis-1,2-Dichloroethene	U		0.000958	0.00326	1	11/04/2021 02:03	WG1768143
trans-1,2-Dichloroethene	U		0.00136	0.00652	1	11/04/2021 02:03	WG1768143
1,2-Dichloropropane	U		0.00185	0.00652	1	11/04/2021 02:03	WG1768143
1,1-Dichloropropene	U		0.00106	0.00326	1	11/04/2021 02:03	WG1768143
1,3-Dichloropropane	U		0.000654	0.00652	1	11/04/2021 02:03	WG1768143
cis-1,3-Dichloropropene	U		0.000988	0.00326	1	11/04/2021 02:03	WG1768143
trans-1,3-Dichloropropene	U		0.00149	0.00652	1	11/04/2021 02:03	WG1768143
2,2-Dichloropropane	U		0.00180	0.00326	1	11/04/2021 02:03	WG1768143
Di-isopropyl ether	U		0.000535	0.00130	1	11/04/2021 02:03	WG1768143
Ethylbenzene	0.0120		0.000962	0.00326	1	11/04/2021 02:03	WG1768143
Hexachloro-1,3-butadiene	U		0.00783	0.0326	1	11/04/2021 02:03	WG1768143
n-Hexane	U		0.00295	0.00652	1	11/04/2021 02:03	WG1768143
Isopropylbenzene	0.00789		0.000554	0.00326	1	11/04/2021 02:03	WG1768143
p-Isopropyltoluene	U		0.00333	0.00652	1	11/04/2021 02:03	WG1768143
2-Butanone (MEK)	U		0.0828	0.130	1	11/04/2021 02:03	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00866	0.0326	1	11/04/2021 02:03	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00297	0.0326	1	11/04/2021 02:03	WG1768143
Methyl tert-butyl ether	U		0.000457	0.00130	1	11/04/2021 02:03	WG1768143
Naphthalene	0.0384		0.00637	0.0163	1	11/04/2021 02:03	WG1768143
n-Propylbenzene	0.0121		0.00124	0.00652	1	11/04/2021 02:03	WG1768143
Styrene	U		0.000299	0.0163	1	11/04/2021 02:03	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00124	0.00326	1	11/04/2021 02:03	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000907	0.00326	1	11/04/2021 02:03	WG1768143
Tetrachloroethene	U		0.00117	0.00326	1	11/04/2021 02:03	WG1768143
Toluene	0.0378		0.00170	0.00652	1	11/04/2021 02:03	WG1768143
1,2,3-Trichlorobenzene	U		0.00956	0.0163	1	11/04/2021 02:03	WG1768143
1,2,4-Trichlorobenzene	U		0.00574	0.0163	1	11/04/2021 02:03	WG1768143
1,1,1-Trichloroethane	U		0.00120	0.00326	1	11/04/2021 02:03	WG1768143
1,1,2-Trichloroethane	U		0.000779	0.00326	1	11/04/2021 02:03	WG1768143
Trichloroethene	U		0.000762	0.00130	1	11/04/2021 02:03	WG1768143
Trichlorofluoromethane	U		0.00108	0.00326	1	11/04/2021 02:03	WG1768143
1,2,3-Trichloropropane	U		0.00211	0.0163	1	11/04/2021 02:03	WG1768143
1,2,4-Trimethylbenzene	0.0159		0.00206	0.00652	1	11/04/2021 02:03	WG1768143
1,3,5-Trimethylbenzene	0.00360	J	0.00261	0.00652	1	11/04/2021 02:03	WG1768143
Vinyl chloride	U		0.00151	0.00326	1	11/04/2021 02:03	WG1768143
Xylenes, Total	0.0665		0.00115	0.00848	1	11/04/2021 02:03	WG1768143
(S) Toluene-d8	*103*			*75.0-131*		*11/04/2021 02:03*	WG1768143
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/04/2021 02:03*	WG1768143
(S) 1,2-Dichloroethane-d4	*97.3*			*70.0-130*		*11/04/2021 02:03*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	9.13		0.689	4.52	1	11/04/2021 00:45	WG1768215
C20-C34 Hydrocarbons	42.9		0.690	4.52	1	11/04/2021 00:45	WG1768215
(S) o-Terphenyl	*54.0*			*18.0-148*		*11/04/2021 00:45*	WG1768215

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	85.3		1	11/02/2021 12:00	WG1766889

Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
TPHG C6 - C12	U		1.21	3.56	25	10/31/2021 05:11	WG1766195
(S) a,a,a-Trifluorotoluene(FID)	*93.6*			*77.0-120*		*10/31/2021 05:11*	WG1766195

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0520	0.0713	1	11/04/2021 02:22	WG1768143
Acrylonitrile	U		0.00515	0.0178	1	11/04/2021 02:22	WG1768143
Benzene	U		0.000666	0.00143	1	11/04/2021 02:22	WG1768143
Bromobenzene	U		0.00128	0.0178	1	11/04/2021 02:22	WG1768143
Bromodichloromethane	U		0.00103	0.00356	1	11/04/2021 02:22	WG1768143
Bromoform	U		0.00167	0.0356	1	11/04/2021 02:22	WG1768143
Bromomethane	U		0.00281	0.0178	1	11/04/2021 02:22	WG1768143
n-Butylbenzene	U		0.00748	0.0178	1	11/04/2021 02:22	WG1768143
sec-Butylbenzene	U		0.00411	0.0178	1	11/04/2021 02:22	WG1768143
tert-Butylbenzene	U		0.00278	0.00713	1	11/04/2021 02:22	WG1768143
Carbon tetrachloride	U		0.00128	0.00713	1	11/04/2021 02:22	WG1768143
Chlorobenzene	U		0.000299	0.00356	1	11/04/2021 02:22	WG1768143
Chlorodibromomethane	U		0.000872	0.00356	1	11/04/2021 02:22	WG1768143
Chloroethane	U		0.00242	0.00713	1	11/04/2021 02:22	WG1768143
Chloroform	U		0.00147	0.00356	1	11/04/2021 02:22	WG1768143
Chloromethane	U		0.00620	0.0178	1	11/04/2021 02:22	WG1768143
2-Chlorotoluene	U		0.00123	0.00356	1	11/04/2021 02:22	WG1768143
4-Chlorotoluene	U		0.000641	0.00713	1	11/04/2021 02:22	WG1768143
1,2-Dibromo-3-Chloropropane	U		0.00556	0.0356	1	11/04/2021 02:22	WG1768143
1,2-Dibromoethane	U		0.000924	0.00356	1	11/04/2021 02:22	WG1768143
Dibromomethane	U		0.00107	0.00713	1	11/04/2021 02:22	WG1768143
1,2-Dichlorobenzene	U		0.000606	0.00713	1	11/04/2021 02:22	WG1768143
1,3-Dichlorobenzene	U		0.000855	0.00713	1	11/04/2021 02:22	WG1768143
1,4-Dichlorobenzene	U		0.000998	0.00713	1	11/04/2021 02:22	WG1768143
Dichlorodifluoromethane	U		0.00229	0.00356	1	11/04/2021 02:22	WG1768143
1,1-Dichloroethane	U		0.000700	0.00356	1	11/04/2021 02:22	WG1768143
1,2-Dichloroethane	U		0.000925	0.00356	1	11/04/2021 02:22	WG1768143
1,1-Dichloroethene	U		0.000864	0.00356	1	11/04/2021 02:22	WG1768143
cis-1,2-Dichloroethene	U		0.00105	0.00356	1	11/04/2021 02:22	WG1768143
trans-1,2-Dichloroethene	U		0.00148	0.00713	1	11/04/2021 02:22	WG1768143
1,2-Dichloropropane	U		0.00202	0.00713	1	11/04/2021 02:22	WG1768143
1,1-Dichloropropene	U		0.00115	0.00356	1	11/04/2021 02:22	WG1768143
1,3-Dichloropropane	U		0.000714	0.00713	1	11/04/2021 02:22	WG1768143
cis-1,3-Dichloropropene	U		0.00108	0.00356	1	11/04/2021 02:22	WG1768143
trans-1,3-Dichloropropene	U		0.00162	0.00713	1	11/04/2021 02:22	WG1768143
2,2-Dichloropropane	U		0.00197	0.00356	1	11/04/2021 02:22	WG1768143
Di-isopropyl ether	U		0.000584	0.00143	1	11/04/2021 02:22	WG1768143
Ethylbenzene	U		0.00105	0.00356	1	11/04/2021 02:22	WG1768143
Hexachloro-1,3-butadiene	U		0.00855	0.0356	1	11/04/2021 02:22	WG1768143
n-Hexane	U		0.00322	0.00713	1	11/04/2021 02:22	WG1768143
Isopropylbenzene	U		0.000606	0.00356	1	11/04/2021 02:22	WG1768143
p-Isopropyltoluene	U		0.00363	0.00713	1	11/04/2021 02:22	WG1768143
2-Butanone (MEK)	U		0.0905	0.143	1	11/04/2021 02:22	WG1768143

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Methylene Chloride	U	J4	0.00946	0.0356	1	11/04/2021 02:22	WG1768143
4-Methyl-2-pentanone (MIBK)	U		0.00325	0.0356	1	11/04/2021 02:22	WG1768143
Methyl tert-butyl ether	U		0.000499	0.00143	1	11/04/2021 02:22	WG1768143
Naphthalene	U		0.00696	0.0178	1	11/04/2021 02:22	WG1768143
n-Propylbenzene	U		0.00135	0.00713	1	11/04/2021 02:22	WG1768143
Styrene	U		0.000326	0.0178	1	11/04/2021 02:22	WG1768143
1,1,1,2-Tetrachloroethane	U		0.00135	0.00356	1	11/04/2021 02:22	WG1768143
1,1,2,2-Tetrachloroethane	U		0.000991	0.00356	1	11/04/2021 02:22	WG1768143
Tetrachloroethene	U		0.00128	0.00356	1	11/04/2021 02:22	WG1768143
Toluene	U		0.00185	0.00713	1	11/04/2021 02:22	WG1768143
1,2,3-Trichlorobenzene	U		0.0104	0.0178	1	11/04/2021 02:22	WG1768143
1,2,4-Trichlorobenzene	U		0.00627	0.0178	1	11/04/2021 02:22	WG1768143
1,1,1-Trichloroethane	U		0.00132	0.00356	1	11/04/2021 02:22	WG1768143
1,1,2-Trichloroethane	U		0.000851	0.00356	1	11/04/2021 02:22	WG1768143
Trichloroethene	U		0.000832	0.00143	1	11/04/2021 02:22	WG1768143
Trichlorofluoromethane	U		0.00118	0.00356	1	11/04/2021 02:22	WG1768143
1,2,3-Trichloropropane	U		0.00231	0.0178	1	11/04/2021 02:22	WG1768143
1,2,4-Trimethylbenzene	U		0.00225	0.00713	1	11/04/2021 02:22	WG1768143
1,3,5-Trimethylbenzene	U		0.00285	0.00713	1	11/04/2021 02:22	WG1768143
Vinyl chloride	U		0.00165	0.00356	1	11/04/2021 02:22	WG1768143
Xylenes, Total	0.00143	J	0.00125	0.00927	1	11/04/2021 02:22	WG1768143
(S) Toluene-d8	*104*			*75.0-131*		*11/04/2021 02:22*	WG1768143
(S) 4-Bromofluorobenzene	*101*			*67.0-138*		*11/04/2021 02:22*	WG1768143
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*11/04/2021 02:22*	WG1768143

Semi-Volatile Organic Compounds (GC) by Method 8015B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
C10-C20 Hydrocarbons	2.93	J	0.715	4.69	1	11/03/2021 23:41	WG1768215
C20-C34 Hydrocarbons	4.76		0.716	4.69	1	11/03/2021 23:41	WG1768215
(S) o-Terphenyl	*46.1*			*18.0-148*		*11/03/2021 23:41*	WG1768215

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.00778		0.00270	0.00703	1	11/05/2021 21:27	WG1769470
Acenaphthene	U		0.00245	0.00703	1	11/05/2021 21:27	WG1769470
Acenaphthylene	0.00428	J	0.00253	0.00703	1	11/05/2021 21:27	WG1769470
Benzo(a)anthracene	0.0353		0.00203	0.00703	1	11/05/2021 21:27	WG1769470
Benzo(a)pyrene	0.0290		0.00210	0.00703	1	11/05/2021 21:27	WG1769470
Benzo(b)fluoranthene	0.0479		0.00179	0.00703	1	11/05/2021 21:27	WG1769470
Benzo(g,h,i)perylene	0.0234		0.00207	0.00703	1	11/05/2021 21:27	WG1769470
Benzo(k)fluoranthene	0.0150		0.00252	0.00703	1	11/05/2021 21:27	WG1769470
Chrysene	0.0423		0.00272	0.00703	1	11/05/2021 21:27	WG1769470
Dibenz(a,h)anthracene	0.00536	J	0.00202	0.00703	1	11/05/2021 21:27	WG1769470
Fluoranthene	0.0872		0.00266	0.00703	1	11/05/2021 21:27	WG1769470
Fluorene	U		0.00240	0.00703	1	11/05/2021 21:27	WG1769470
Indeno(1,2,3-cd)pyrene	0.0274		0.00212	0.00703	1	11/05/2021 21:27	WG1769470
Naphthalene	U		0.00478	0.0234	1	11/05/2021 21:27	WG1769470
Phenanthrene	0.0441		0.00271	0.00703	1	11/05/2021 21:27	WG1769470
Pyrene	0.0655		0.00234	0.00703	1	11/05/2021 21:27	WG1769470
1-Methylnaphthalene	U		0.00526	0.0234	1	11/05/2021 21:27	WG1769470
2-Methylnaphthalene	U		0.00501	0.0234	1	11/05/2021 21:27	WG1769470
2-Chloronaphthalene	U		0.00546	0.0234	1	11/05/2021 21:27	WG1769470
(S) Nitrobenzene-d5	*56.2*			*14.0-149*		*11/05/2021 21:27*	WG1769470

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
(S) 2-Fluorobiphenyl	*66.7*			*34.0-125*		*11/05/2021 21:27*	WG1769470
(S) p-Terphenyl-d14	*79.5*			*23.0-120*		*11/05/2021 21:27*	WG1769470

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	10/31/2021 19:19	WG1766535
Acrolein	U	J3	0.00254	0.0500	1	10/31/2021 19:19	WG1766535
Acrylonitrile	U		0.000671	0.0100	1	10/31/2021 19:19	WG1766535
Benzene	U		0.0000941	0.00100	1	11/03/2021 23:50	WG1768174
Bromobenzene	U		0.000118	0.00100	1	10/31/2021 19:19	WG1766535
Bromodichloromethane	U		0.000136	0.00100	1	10/31/2021 19:19	WG1766535
Bromoform	U		0.000129	0.00100	1	10/31/2021 19:19	WG1766535
Bromomethane	U		0.000605	0.00500	1	10/31/2021 19:19	WG1766535
n-Butylbenzene	U		0.000157	0.00100	1	10/31/2021 19:19	WG1766535
sec-Butylbenzene	U		0.000125	0.00100	1	10/31/2021 19:19	WG1766535
tert-Butylbenzene	U		0.000127	0.00100	1	10/31/2021 19:19	WG1766535
Carbon tetrachloride	U		0.000128	0.00100	1	10/31/2021 19:19	WG1766535
Chlorobenzene	U		0.000116	0.00100	1	10/31/2021 19:19	WG1766535
Chlorodibromomethane	U		0.000140	0.00100	1	10/31/2021 19:19	WG1766535
Chloroethane	U		0.000192	0.00500	1	10/31/2021 19:19	WG1766535
Chloroform	0.000173	J	0.000111	0.00500	1	10/31/2021 19:19	WG1766535
Chloromethane	U		0.000960	0.00250	1	10/31/2021 19:19	WG1766535
2-Chlorotoluene	U		0.000106	0.00100	1	10/31/2021 19:19	WG1766535
4-Chlorotoluene	U		0.000114	0.00100	1	10/31/2021 19:19	WG1766535
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	10/31/2021 19:19	WG1766535
1,2-Dibromoethane	U		0.000126	0.00100	1	10/31/2021 19:19	WG1766535
Dibromomethane	U		0.000122	0.00100	1	10/31/2021 19:19	WG1766535
1,2-Dichlorobenzene	U		0.000107	0.00100	1	10/31/2021 19:19	WG1766535
1,3-Dichlorobenzene	U		0.000110	0.00100	1	10/31/2021 19:19	WG1766535
1,4-Dichlorobenzene	U		0.000120	0.00100	1	10/31/2021 19:19	WG1766535
Dichlorodifluoromethane	U		0.000374	0.00500	1	10/31/2021 19:19	WG1766535
1,1-Dichloroethane	U		0.000100	0.00100	1	10/31/2021 19:19	WG1766535
1,2-Dichloroethane	U		0.0000819	0.00100	1	10/31/2021 19:19	WG1766535
1,1-Dichloroethene	U		0.000188	0.00100	1	10/31/2021 19:19	WG1766535
cis-1,2-Dichloroethene	0.0160		0.000126	0.00100	1	10/31/2021 19:19	WG1766535
trans-1,2-Dichloroethene	0.00177		0.000149	0.00100	1	10/31/2021 19:19	WG1766535
1,2-Dichloropropane	U		0.000149	0.00100	1	10/31/2021 19:19	WG1766535
1,1-Dichloropropene	U		0.000142	0.00100	1	10/31/2021 19:19	WG1766535
1,3-Dichloropropane	U		0.000110	0.00100	1	10/31/2021 19:19	WG1766535
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	10/31/2021 19:19	WG1766535
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	10/31/2021 19:19	WG1766535
2,2-Dichloropropane	U		0.000161	0.00100	1	10/31/2021 19:19	WG1766535
Di-isopropyl ether	U		0.000105	0.00100	1	10/31/2021 19:19	WG1766535
Ethylbenzene	0.000256	J	0.000137	0.00100	1	10/31/2021 19:19	WG1766535
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	10/31/2021 19:19	WG1766535
n-Hexane	U		0.000749	0.0100	1	10/31/2021 19:19	WG1766535
Isopropylbenzene	U		0.000105	0.00100	1	10/31/2021 19:19	WG1766535
p-Isopropyltoluene	U		0.000120	0.00100	1	10/31/2021 19:19	WG1766535
2-Butanone (MEK)	U		0.00119	0.0100	1	10/31/2021 19:19	WG1766535
Methylene Chloride	U		0.000430	0.00500	1	10/31/2021 19:19	WG1766535
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	10/31/2021 19:19	WG1766535
Methyl tert-butyl ether	U		0.000101	0.00100	1	10/31/2021 19:19	WG1766535
Naphthalene	0.00210	J	0.00100	0.00500	1	10/31/2021 19:19	WG1766535
n-Propylbenzene	0.000182	J	0.0000993	0.00100	1	10/31/2021 19:19	WG1766535
Styrene	U	J4	0.000118	0.00100	1	10/31/2021 19:19	WG1766535
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	10/31/2021 19:19	WG1766535
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	10/31/2021 19:19	WG1766535
Tetrachloroethene	U		0.000300	0.00100	1	10/31/2021 19:19	WG1766535
Toluene	U		0.000278	0.00100	1	10/31/2021 19:19	WG1766535
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	10/31/2021 19:19	WG1766535
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	10/31/2021 19:19	WG1766535

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.000482	J	0.000149	0.00100	1	10/31/2021 19:19	WG1766535
1,1,2-Trichloroethane	U		0.000158	0.00100	1	10/31/2021 19:19	WG1766535
Trichloroethene	0.101		0.000190	0.00100	1	10/31/2021 19:19	WG1766535
Trichlorofluoromethane	U		0.000160	0.00500	1	10/31/2021 19:19	WG1766535
1,2,3-Trichloropropane	U		0.000237	0.00250	1	10/31/2021 19:19	WG1766535
1,2,4-Trimethylbenzene	0.00198		0.000322	0.00100	1	10/31/2021 19:19	WG1766535
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	10/31/2021 19:19	WG1766535
Vinyl chloride	U		0.000234	0.00100	1	10/31/2021 19:19	WG1766535
Xylenes, Total	0.000813	J	0.000174	0.00300	1	10/31/2021 19:19	WG1766535
(S) Toluene-d8	*102*			*80.0-120*		*10/31/2021 19:19*	WG1766535
(S) Toluene-d8	*109*			*80.0-120*		*11/03/2021 23:50*	WG1768174
(S) 4-Bromofluorobenzene	*94.4*			*77.0-126*		*10/31/2021 19:19*	WG1766535
(S) 4-Bromofluorobenzene	*81.3*			*77.0-126*		*11/03/2021 23:50*	WG1768174
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*		*10/31/2021 19:19*	WG1766535
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*11/03/2021 23:50*	WG1768174

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	11/06/2021 15:34	WG1769883
Acrolein	U		0.00254	0.0500	1	11/06/2021 15:34	WG1769883
Acrylonitrile	U		0.000671	0.0100	1	11/06/2021 15:34	WG1769883
Benzene	U		0.0000941	0.00100	1	11/06/2021 15:34	WG1769883
Bromobenzene	U		0.000118	0.00100	1	11/06/2021 15:34	WG1769883
Bromodichloromethane	U		0.000136	0.00100	1	11/06/2021 15:34	WG1769883
Bromoform	U		0.000129	0.00100	1	11/06/2021 15:34	WG1769883
Bromomethane	U		0.000605	0.00500	1	11/06/2021 15:34	WG1769883
n-Butylbenzene	U		0.000157	0.00100	1	11/06/2021 15:34	WG1769883
sec-Butylbenzene	U		0.000125	0.00100	1	11/06/2021 15:34	WG1769883
tert-Butylbenzene	U		0.000127	0.00100	1	11/06/2021 15:34	WG1769883
Carbon tetrachloride	U		0.000128	0.00100	1	11/06/2021 15:34	WG1769883
Chlorobenzene	U		0.000116	0.00100	1	11/06/2021 15:34	WG1769883
Chlorodibromomethane	U		0.000140	0.00100	1	11/06/2021 15:34	WG1769883
Chloroethane	U		0.000192	0.00500	1	11/06/2021 15:34	WG1769883
Chloroform	0.000141	J	0.000111	0.00500	1	11/06/2021 15:34	WG1769883
Chloromethane	U		0.000960	0.00250	1	11/06/2021 15:34	WG1769883
2-Chlorotoluene	U		0.000106	0.00100	1	11/06/2021 15:34	WG1769883
4-Chlorotoluene	U		0.000114	0.00100	1	11/06/2021 15:34	WG1769883
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	11/06/2021 15:34	WG1769883
1,2-Dibromoethane	U		0.000126	0.00100	1	11/06/2021 15:34	WG1769883
Dibromomethane	U		0.000122	0.00100	1	11/06/2021 15:34	WG1769883
1,2-Dichlorobenzene	U		0.000107	0.00100	1	11/06/2021 15:34	WG1769883
1,3-Dichlorobenzene	U		0.000110	0.00100	1	11/06/2021 15:34	WG1769883
1,4-Dichlorobenzene	U		0.000120	0.00100	1	11/06/2021 15:34	WG1769883
Dichlorodifluoromethane	U		0.000374	0.00500	1	11/06/2021 15:34	WG1769883
1,1-Dichloroethane	U		0.000100	0.00100	1	11/06/2021 15:34	WG1769883
1,2-Dichloroethane	U		0.0000819	0.00100	1	11/06/2021 15:34	WG1769883
1,1-Dichloroethene	U		0.000188	0.00100	1	11/06/2021 15:34	WG1769883
cis-1,2-Dichloroethene	0.0148		0.000126	0.00100	1	11/06/2021 15:34	WG1769883
trans-1,2-Dichloroethene	0.00150		0.000149	0.00100	1	11/06/2021 15:34	WG1769883
1,2-Dichloropropane	U		0.000149	0.00100	1	11/06/2021 15:34	WG1769883
1,1-Dichloropropene	U		0.000142	0.00100	1	11/06/2021 15:34	WG1769883
1,3-Dichloropropane	U		0.000110	0.00100	1	11/06/2021 15:34	WG1769883
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	11/06/2021 15:34	WG1769883
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	11/06/2021 15:34	WG1769883
2,2-Dichloropropane	U		0.000161	0.00100	1	11/06/2021 15:34	WG1769883
Di-isopropyl ether	U		0.000105	0.00100	1	11/06/2021 15:34	WG1769883
Ethylbenzene	U		0.000137	0.00100	1	11/06/2021 15:34	WG1769883
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	11/06/2021 15:34	WG1769883
n-Hexane	U		0.000749	0.0100	1	11/06/2021 15:34	WG1769883
Isopropylbenzene	U		0.000105	0.00100	1	11/06/2021 15:34	WG1769883
p-Isopropyltoluene	U		0.000120	0.00100	1	11/06/2021 15:34	WG1769883
2-Butanone (MEK)	U		0.00119	0.0100	1	11/06/2021 15:34	WG1769883
Methylene Chloride	U		0.000430	0.00500	1	11/06/2021 15:34	WG1769883
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	11/06/2021 15:34	WG1769883
Methyl tert-butyl ether	U		0.000101	0.00100	1	11/06/2021 15:34	WG1769883
Naphthalene	U		0.00100	0.00500	1	11/06/2021 15:34	WG1769883
n-Propylbenzene	U		0.0000993	0.00100	1	11/06/2021 15:34	WG1769883
Styrene	U		0.000118	0.00100	1	11/06/2021 15:34	WG1769883
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	11/06/2021 15:34	WG1769883
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	11/06/2021 15:34	WG1769883
Tetrachloroethene	U		0.000300	0.00100	1	11/06/2021 15:34	WG1769883
Toluene	U		0.000278	0.00100	1	11/06/2021 15:34	WG1769883
1,2,3-Trichlorobenzene	U	J4	0.000230	0.00100	1	11/06/2021 15:34	WG1769883
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	11/06/2021 15:34	WG1769883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	0.000393	J	0.000149	0.00100	1	11/06/2021 15:34	WG1769883
1,1,2-Trichloroethane	U		0.000158	0.00100	1	11/06/2021 15:34	WG1769883
Trichloroethene	0.0866		0.000190	0.00100	1	11/06/2021 15:34	WG1769883
Trichlorofluoromethane	U		0.000160	0.00500	1	11/06/2021 15:34	WG1769883
1,2,3-Trichloropropane	U		0.000237	0.00250	1	11/06/2021 15:34	WG1769883
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/06/2021 15:34	WG1769883
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/06/2021 15:34	WG1769883
Vinyl chloride	U		0.000234	0.00100	1	11/06/2021 15:34	WG1769883
Xylenes, Total	U		0.000174	0.00300	1	11/06/2021 15:34	WG1769883
(S) Toluene-d8	*106*			*80.0-120*		*11/06/2021 15:34*	WG1769883
(S) 4-Bromofluorobenzene	*107*			*77.0-126*		*11/06/2021 15:34*	WG1769883
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*11/06/2021 15:34*	WG1769883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	11/06/2021 15:55	WG1769883
Acrolein	U		0.00254	0.0500	1	11/06/2021 15:55	WG1769883
Acrylonitrile	U		0.000671	0.0100	1	11/06/2021 15:55	WG1769883
Benzene	0.000197	J	0.0000941	0.00100	1	11/06/2021 15:55	WG1769883
Bromobenzene	U		0.000118	0.00100	1	11/06/2021 15:55	WG1769883
Bromodichloromethane	U		0.000136	0.00100	1	11/06/2021 15:55	WG1769883
Bromoform	U		0.000129	0.00100	1	11/06/2021 15:55	WG1769883
Bromomethane	U		0.000605	0.00500	1	11/06/2021 15:55	WG1769883
n-Butylbenzene	U		0.000157	0.00100	1	11/06/2021 15:55	WG1769883
sec-Butylbenzene	U		0.000125	0.00100	1	11/06/2021 15:55	WG1769883
tert-Butylbenzene	U		0.000127	0.00100	1	11/06/2021 15:55	WG1769883
Carbon tetrachloride	U		0.000128	0.00100	1	11/06/2021 15:55	WG1769883
Chlorobenzene	U		0.000116	0.00100	1	11/06/2021 15:55	WG1769883
Chlorodibromomethane	U		0.000140	0.00100	1	11/06/2021 15:55	WG1769883
Chloroethane	U		0.000192	0.00500	1	11/06/2021 15:55	WG1769883
Chloroform	0.000821	J	0.000111	0.00500	1	11/06/2021 15:55	WG1769883
Chloromethane	U		0.000960	0.00250	1	11/06/2021 15:55	WG1769883
2-Chlorotoluene	U		0.000106	0.00100	1	11/06/2021 15:55	WG1769883
4-Chlorotoluene	U		0.000114	0.00100	1	11/06/2021 15:55	WG1769883
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	11/06/2021 15:55	WG1769883
1,2-Dibromoethane	U		0.000126	0.00100	1	11/06/2021 15:55	WG1769883
Dibromomethane	U		0.000122	0.00100	1	11/06/2021 15:55	WG1769883
1,2-Dichlorobenzene	U		0.000107	0.00100	1	11/06/2021 15:55	WG1769883
1,3-Dichlorobenzene	U		0.000110	0.00100	1	11/06/2021 15:55	WG1769883
1,4-Dichlorobenzene	U		0.000120	0.00100	1	11/06/2021 15:55	WG1769883
Dichlorodifluoromethane	U		0.000374	0.00500	1	11/06/2021 15:55	WG1769883
1,1-Dichloroethane	U		0.000100	0.00100	1	11/06/2021 15:55	WG1769883
1,2-Dichloroethane	U		0.0000819	0.00100	1	11/06/2021 15:55	WG1769883
1,1-Dichloroethene	U		0.000188	0.00100	1	11/06/2021 15:55	WG1769883
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	11/06/2021 15:55	WG1769883
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	11/06/2021 15:55	WG1769883
1,2-Dichloropropane	U		0.000149	0.00100	1	11/06/2021 15:55	WG1769883
1,1-Dichloropropene	U		0.000142	0.00100	1	11/06/2021 15:55	WG1769883
1,3-Dichloropropane	U		0.000110	0.00100	1	11/06/2021 15:55	WG1769883
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	11/06/2021 15:55	WG1769883
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	11/06/2021 15:55	WG1769883
2,2-Dichloropropane	U		0.000161	0.00100	1	11/06/2021 15:55	WG1769883
Di-isopropyl ether	U		0.000105	0.00100	1	11/06/2021 15:55	WG1769883
Ethylbenzene	U		0.000137	0.00100	1	11/06/2021 15:55	WG1769883
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	11/06/2021 15:55	WG1769883
n-Hexane	U		0.000749	0.0100	1	11/06/2021 15:55	WG1769883
Isopropylbenzene	U		0.000105	0.00100	1	11/06/2021 15:55	WG1769883
p-Isopropyltoluene	U		0.000120	0.00100	1	11/06/2021 15:55	WG1769883
2-Butanone (MEK)	U		0.00119	0.0100	1	11/06/2021 15:55	WG1769883
Methylene Chloride	U		0.000430	0.00500	1	11/06/2021 15:55	WG1769883
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	11/06/2021 15:55	WG1769883
Methyl tert-butyl ether	U		0.000101	0.00100	1	11/06/2021 15:55	WG1769883
Naphthalene	U		0.00100	0.00500	1	11/06/2021 15:55	WG1769883
n-Propylbenzene	U		0.0000993	0.00100	1	11/06/2021 15:55	WG1769883
Styrene	U		0.000118	0.00100	1	11/06/2021 15:55	WG1769883
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	11/06/2021 15:55	WG1769883
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	11/06/2021 15:55	WG1769883
Tetrachloroethene	U		0.000300	0.00100	1	11/06/2021 15:55	WG1769883
Toluene	U		0.000278	0.00100	1	11/06/2021 15:55	WG1769883
1,2,3-Trichlorobenzene	U	J4	0.000230	0.00100	1	11/06/2021 15:55	WG1769883
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	11/06/2021 15:55	WG1769883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	11/06/2021 15:55	WG1769883
1,1,2-Trichloroethane	U		0.000158	0.00100	1	11/06/2021 15:55	WG1769883
Trichloroethene	U		0.000190	0.00100	1	11/06/2021 15:55	WG1769883
Trichlorofluoromethane	U		0.000160	0.00500	1	11/06/2021 15:55	WG1769883
1,2,3-Trichloropropane	U		0.000237	0.00250	1	11/06/2021 15:55	WG1769883
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/06/2021 15:55	WG1769883
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/06/2021 15:55	WG1769883
Vinyl chloride	U		0.000234	0.00100	1	11/06/2021 15:55	WG1769883
Xylenes, Total	U		0.000174	0.00300	1	11/06/2021 15:55	WG1769883
(S) Toluene-d8	*110*			*80.0-120*		*11/06/2021 15:55*	WG1769883
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*11/06/2021 15:55*	WG1769883
(S) 1,2-Dichloroethane-d4	*99.9*			*70.0-130*		*11/06/2021 15:55*	WG1769883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	11/02/2021 20:29	WG1767486
Acrolein	U		0.00254	0.0500	1	11/02/2021 20:29	WG1767486
Acrylonitrile	U		0.000671	0.0100	1	11/02/2021 20:29	WG1767486
Benzene	U		0.0000941	0.00100	1	11/02/2021 20:29	WG1767486
Bromobenzene	U		0.000118	0.00100	1	11/02/2021 20:29	WG1767486
Bromodichloromethane	U		0.000136	0.00100	1	11/02/2021 20:29	WG1767486
Bromoform	U		0.000129	0.00100	1	11/02/2021 20:29	WG1767486
Bromomethane	U		0.000605	0.00500	1	11/02/2021 20:29	WG1767486
n-Butylbenzene	U		0.000157	0.00100	1	11/02/2021 20:29	WG1767486
sec-Butylbenzene	U		0.000125	0.00100	1	11/02/2021 20:29	WG1767486
tert-Butylbenzene	U		0.000127	0.00100	1	11/02/2021 20:29	WG1767486
Carbon tetrachloride	U		0.000128	0.00100	1	11/02/2021 20:29	WG1767486
Chlorobenzene	U		0.000116	0.00100	1	11/02/2021 20:29	WG1767486
Chlorodibromomethane	U		0.000140	0.00100	1	11/02/2021 20:29	WG1767486
Chloroethane	U		0.000192	0.00500	1	11/02/2021 20:29	WG1767486
Chloroform	U		0.000111	0.00500	1	11/02/2021 20:29	WG1767486
Chloromethane	U		0.000960	0.00250	1	11/02/2021 20:29	WG1767486
2-Chlorotoluene	U		0.000106	0.00100	1	11/02/2021 20:29	WG1767486
4-Chlorotoluene	U		0.000114	0.00100	1	11/02/2021 20:29	WG1767486
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	11/02/2021 20:29	WG1767486
1,2-Dibromoethane	U		0.000126	0.00100	1	11/02/2021 20:29	WG1767486
Dibromomethane	U		0.000122	0.00100	1	11/02/2021 20:29	WG1767486
1,2-Dichlorobenzene	U		0.000107	0.00100	1	11/02/2021 20:29	WG1767486
1,3-Dichlorobenzene	U		0.000110	0.00100	1	11/02/2021 20:29	WG1767486
1,4-Dichlorobenzene	U		0.000120	0.00100	1	11/02/2021 20:29	WG1767486
Dichlorodifluoromethane	U		0.000374	0.00500	1	11/02/2021 20:29	WG1767486
1,1-Dichloroethane	U		0.000100	0.00100	1	11/02/2021 20:29	WG1767486
1,2-Dichloroethane	U		0.0000819	0.00100	1	11/02/2021 20:29	WG1767486
1,1-Dichloroethene	U		0.000188	0.00100	1	11/02/2021 20:29	WG1767486
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	11/02/2021 20:29	WG1767486
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	11/02/2021 20:29	WG1767486
1,2-Dichloropropane	U		0.000149	0.00100	1	11/02/2021 20:29	WG1767486
1,1-Dichloropropene	U		0.000142	0.00100	1	11/02/2021 20:29	WG1767486
1,3-Dichloropropane	U		0.000110	0.00100	1	11/02/2021 20:29	WG1767486
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	11/02/2021 20:29	WG1767486
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	11/02/2021 20:29	WG1767486
2,2-Dichloropropane	U	J4	0.000161	0.00100	1	11/02/2021 20:29	WG1767486
Di-isopropyl ether	U		0.000105	0.00100	1	11/02/2021 20:29	WG1767486
Ethylbenzene	U		0.000137	0.00100	1	11/02/2021 20:29	WG1767486
Hexachloro-1,3-butadiene	U	J4	0.000337	0.00100	1	11/02/2021 20:29	WG1767486
n-Hexane	U		0.000749	0.0100	1	11/02/2021 20:29	WG1767486
Isopropylbenzene	U		0.000105	0.00100	1	11/02/2021 20:29	WG1767486
p-Isopropyltoluene	U		0.000120	0.00100	1	11/02/2021 20:29	WG1767486
2-Butanone (MEK)	U		0.00119	0.0100	1	11/02/2021 20:29	WG1767486
Methylene Chloride	U		0.000430	0.00500	1	11/02/2021 20:29	WG1767486
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	11/02/2021 20:29	WG1767486
Methyl tert-butyl ether	U		0.000101	0.00100	1	11/02/2021 20:29	WG1767486
Naphthalene	U		0.00100	0.00500	1	11/02/2021 20:29	WG1767486
n-Propylbenzene	U		0.0000993	0.00100	1	11/02/2021 20:29	WG1767486
Styrene	U		0.000118	0.00100	1	11/02/2021 20:29	WG1767486
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	11/02/2021 20:29	WG1767486
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	11/02/2021 20:29	WG1767486
Tetrachloroethene	U		0.000300	0.00100	1	11/02/2021 20:29	WG1767486
Toluene	U		0.000278	0.00100	1	11/02/2021 20:29	WG1767486
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	11/02/2021 20:29	WG1767486
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	11/02/2021 20:29	WG1767486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	11/02/2021 20:29	WG1767486
1,1,2-Trichloroethane	U		0.000158	0.00100	1	11/02/2021 20:29	WG1767486
Trichloroethene	U		0.000190	0.00100	1	11/02/2021 20:29	WG1767486
Trichlorofluoromethane	U		0.000160	0.00500	1	11/02/2021 20:29	WG1767486
1,2,3-Trichloropropane	U		0.000237	0.00250	1	11/02/2021 20:29	WG1767486
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/02/2021 20:29	WG1767486
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/02/2021 20:29	WG1767486
Vinyl chloride	U		0.000234	0.00100	1	11/02/2021 20:29	WG1767486
Xylenes, Total	U		0.000174	0.00300	1	11/02/2021 20:29	WG1767486
(S) Toluene-d8	*103*			*80.0-120*		*11/02/2021 20:29*	WG1767486
(S) 4-Bromofluorobenzene	*89.8*			*77.0-126*		*11/02/2021 20:29*	WG1767486
(S) 1,2-Dichloroethane-d4	*131*	J1		*70.0-130*		*11/02/2021 20:29*	WG1767486

Polychlorinated Biphenyls (GC) by Method 8082

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
PCB 1016	U		0.000270	0.000500	1	11/05/2021 20:51	WG1770725
PCB 1221	U		0.000270	0.000500	1	11/05/2021 20:51	WG1770725
PCB 1232	U		0.000270	0.000500	1	11/05/2021 20:51	WG1770725
PCB 1242	U		0.000270	0.000500	1	11/05/2021 20:51	WG1770725
PCB 1248	U		0.000173	0.000500	1	11/05/2021 20:51	WG1770725
PCB 1254	U		0.000173	0.000500	1	11/05/2021 20:51	WG1770725
PCB 1260	U	J3	0.000173	0.000500	1	11/05/2021 20:51	WG1770725
(S) Decachlorobiphenyl	*47.8*			*10.0-128*		*11/05/2021 20:51*	WG1770725
(S) Tetrachloro-m-xylene	*63.6*			*10.0-127*		*11/05/2021 20:51*	WG1770725

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	11/02/2021 23:13	WG1766300
Acenaphthene	U		0.0000190	0.0000500	1	11/02/2021 23:13	WG1766300
Acenaphthylene	U		0.0000171	0.0000500	1	11/02/2021 23:13	WG1766300
Benzo(a)anthracene	U		0.0000203	0.0000500	1	11/02/2021 23:13	WG1766300
Benzo(a)pyrene	U		0.0000184	0.0000500	1	11/02/2021 23:13	WG1766300
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	11/02/2021 23:13	WG1766300
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	11/02/2021 23:13	WG1766300
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	11/02/2021 23:13	WG1766300
Chrysene	U		0.0000179	0.0000500	1	11/02/2021 23:13	WG1766300
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	11/02/2021 23:13	WG1766300
Fluoranthene	U		0.0000270	0.000100	1	11/02/2021 23:13	WG1766300
Fluorene	U		0.0000169	0.0000500	1	11/02/2021 23:13	WG1766300
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	11/02/2021 23:13	WG1766300
Naphthalene	U		0.0000917	0.000250	1	11/02/2021 23:13	WG1766300
Phenanthrene	U		0.0000180	0.0000500	1	11/02/2021 23:13	WG1766300
Pyrene	U		0.0000169	0.0000500	1	11/02/2021 23:13	WG1766300
1-Methylnaphthalene	U		0.0000687	0.000250	1	11/02/2021 23:13	WG1766300
2-Methylnaphthalene	U		0.0000674	0.000250	1	11/02/2021 23:13	WG1766300
2-Chloronaphthalene	U		0.0000682	0.000250	1	11/02/2021 23:13	WG1766300
(S) Nitrobenzene-d5	*116*			*31.0-160*		*11/02/2021 23:13*	WG1766300
(S) 2-Fluorobiphenyl	*115*			*48.0-148*		*11/02/2021 23:13*	WG1766300
(S) p-Terphenyl-d14	*137*			*37.0-146*		*11/02/2021 23:13*	WG1766300

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	11/06/2021 16:15	WG1769883
Acrolein	U		0.00254	0.0500	1	11/06/2021 16:15	WG1769883
Acrylonitrile	U		0.000671	0.0100	1	11/06/2021 16:15	WG1769883
Benzene	U		0.0000941	0.00100	1	11/06/2021 16:15	WG1769883
Bromobenzene	U		0.000118	0.00100	1	11/06/2021 16:15	WG1769883
Bromodichloromethane	U		0.000136	0.00100	1	11/06/2021 16:15	WG1769883
Bromoform	U		0.000129	0.00100	1	11/06/2021 16:15	WG1769883
Bromomethane	U		0.000605	0.00500	1	11/06/2021 16:15	WG1769883
n-Butylbenzene	U		0.000157	0.00100	1	11/06/2021 16:15	WG1769883
sec-Butylbenzene	U		0.000125	0.00100	1	11/06/2021 16:15	WG1769883
tert-Butylbenzene	U		0.000127	0.00100	1	11/06/2021 16:15	WG1769883
Carbon tetrachloride	U		0.000128	0.00100	1	11/06/2021 16:15	WG1769883
Chlorobenzene	U		0.000116	0.00100	1	11/06/2021 16:15	WG1769883
Chlorodibromomethane	U		0.000140	0.00100	1	11/06/2021 16:15	WG1769883
Chloroethane	U		0.000192	0.00500	1	11/06/2021 16:15	WG1769883
Chloroform	U		0.000111	0.00500	1	11/06/2021 16:15	WG1769883
Chloromethane	U		0.000960	0.00250	1	11/06/2021 16:15	WG1769883
2-Chlorotoluene	U		0.000106	0.00100	1	11/06/2021 16:15	WG1769883
4-Chlorotoluene	U		0.000114	0.00100	1	11/06/2021 16:15	WG1769883
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	11/06/2021 16:15	WG1769883
1,2-Dibromoethane	U		0.000126	0.00100	1	11/06/2021 16:15	WG1769883
Dibromomethane	U		0.000122	0.00100	1	11/06/2021 16:15	WG1769883
1,2-Dichlorobenzene	U		0.000107	0.00100	1	11/06/2021 16:15	WG1769883
1,3-Dichlorobenzene	U		0.000110	0.00100	1	11/06/2021 16:15	WG1769883
1,4-Dichlorobenzene	U		0.000120	0.00100	1	11/06/2021 16:15	WG1769883
Dichlorodifluoromethane	U		0.000374	0.00500	1	11/06/2021 16:15	WG1769883
1,1-Dichloroethane	U		0.000100	0.00100	1	11/06/2021 16:15	WG1769883
1,2-Dichloroethane	U		0.0000819	0.00100	1	11/06/2021 16:15	WG1769883
1,1-Dichloroethene	U		0.000188	0.00100	1	11/06/2021 16:15	WG1769883
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	11/06/2021 16:15	WG1769883
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	11/06/2021 16:15	WG1769883
1,2-Dichloropropane	U		0.000149	0.00100	1	11/06/2021 16:15	WG1769883
1,1-Dichloropropene	U		0.000142	0.00100	1	11/06/2021 16:15	WG1769883
1,3-Dichloropropane	U		0.000110	0.00100	1	11/06/2021 16:15	WG1769883
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	11/06/2021 16:15	WG1769883
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	11/06/2021 16:15	WG1769883
2,2-Dichloropropane	U		0.000161	0.00100	1	11/06/2021 16:15	WG1769883
Di-isopropyl ether	U		0.000105	0.00100	1	11/06/2021 16:15	WG1769883
Ethylbenzene	U		0.000137	0.00100	1	11/06/2021 16:15	WG1769883
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	11/06/2021 16:15	WG1769883
n-Hexane	U		0.000749	0.0100	1	11/06/2021 16:15	WG1769883
Isopropylbenzene	U		0.000105	0.00100	1	11/06/2021 16:15	WG1769883
p-Isopropyltoluene	U		0.000120	0.00100	1	11/06/2021 16:15	WG1769883
2-Butanone (MEK)	U		0.00119	0.0100	1	11/06/2021 16:15	WG1769883
Methylene Chloride	U		0.000430	0.00500	1	11/06/2021 16:15	WG1769883
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	11/06/2021 16:15	WG1769883
Methyl tert-butyl ether	U		0.000101	0.00100	1	11/06/2021 16:15	WG1769883
Naphthalene	U		0.00100	0.00500	1	11/06/2021 16:15	WG1769883
n-Propylbenzene	U		0.0000993	0.00100	1	11/06/2021 16:15	WG1769883
Styrene	U		0.000118	0.00100	1	11/06/2021 16:15	WG1769883
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	11/06/2021 16:15	WG1769883
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	11/06/2021 16:15	WG1769883
Tetrachloroethene	U		0.000300	0.00100	1	11/06/2021 16:15	WG1769883
Toluene	U		0.000278	0.00100	1	11/06/2021 16:15	WG1769883
1,2,3-Trichlorobenzene	U	J4	0.000230	0.00100	1	11/06/2021 16:15	WG1769883
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	11/06/2021 16:15	WG1769883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	11/06/2021 16:15	WG1769883
1,1,2-Trichloroethane	U		0.000158	0.00100	1	11/06/2021 16:15	WG1769883
Trichloroethene	U		0.000190	0.00100	1	11/06/2021 16:15	WG1769883
Trichlorofluoromethane	U		0.000160	0.00500	1	11/06/2021 16:15	WG1769883
1,2,3-Trichloropropane	U		0.000237	0.00250	1	11/06/2021 16:15	WG1769883
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/06/2021 16:15	WG1769883
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/06/2021 16:15	WG1769883
Vinyl chloride	U		0.000234	0.00100	1	11/06/2021 16:15	WG1769883
Xylenes, Total	U		0.000174	0.00300	1	11/06/2021 16:15	WG1769883
(S) Toluene-d8	*111*			*80.0-120*		*11/06/2021 16:15*	WG1769883
(S) 4-Bromofluorobenzene	*108*			*77.0-126*		*11/06/2021 16:15*	WG1769883
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*11/06/2021 16:15*	WG1769883

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	11/02/2021 15:44	WG1767486
Acrolein	U		0.00254	0.0500	1	11/02/2021 15:44	WG1767486
Acrylonitrile	U		0.000671	0.0100	1	11/02/2021 15:44	WG1767486
Benzene	U		0.0000941	0.00100	1	11/02/2021 15:44	WG1767486
Bromobenzene	U		0.000118	0.00100	1	11/02/2021 15:44	WG1767486
Bromodichloromethane	U		0.000136	0.00100	1	11/02/2021 15:44	WG1767486
Bromoform	U		0.000129	0.00100	1	11/02/2021 15:44	WG1767486
Bromomethane	U		0.000605	0.00500	1	11/02/2021 15:44	WG1767486
n-Butylbenzene	U		0.000157	0.00100	1	11/02/2021 15:44	WG1767486
sec-Butylbenzene	U		0.000125	0.00100	1	11/02/2021 15:44	WG1767486
tert-Butylbenzene	U		0.000127	0.00100	1	11/02/2021 15:44	WG1767486
Carbon tetrachloride	U		0.000128	0.00100	1	11/02/2021 15:44	WG1767486
Chlorobenzene	U		0.000116	0.00100	1	11/02/2021 15:44	WG1767486
Chlorodibromomethane	U		0.000140	0.00100	1	11/02/2021 15:44	WG1767486
Chloroethane	U		0.000192	0.00500	1	11/02/2021 15:44	WG1767486
Chloroform	U		0.000111	0.00500	1	11/02/2021 15:44	WG1767486
Chloromethane	U		0.000960	0.00250	1	11/02/2021 15:44	WG1767486
2-Chlorotoluene	U		0.000106	0.00100	1	11/02/2021 15:44	WG1767486
4-Chlorotoluene	U		0.000114	0.00100	1	11/02/2021 15:44	WG1767486
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	11/02/2021 15:44	WG1767486
1,2-Dibromoethane	U		0.000126	0.00100	1	11/02/2021 15:44	WG1767486
Dibromomethane	U		0.000122	0.00100	1	11/02/2021 15:44	WG1767486
1,2-Dichlorobenzene	U		0.000107	0.00100	1	11/02/2021 15:44	WG1767486
1,3-Dichlorobenzene	U		0.000110	0.00100	1	11/02/2021 15:44	WG1767486
1,4-Dichlorobenzene	U		0.000120	0.00100	1	11/02/2021 15:44	WG1767486
Dichlorodifluoromethane	U		0.000374	0.00500	1	11/02/2021 15:44	WG1767486
1,1-Dichloroethane	U		0.000100	0.00100	1	11/02/2021 15:44	WG1767486
1,2-Dichloroethane	U		0.0000819	0.00100	1	11/02/2021 15:44	WG1767486
1,1-Dichloroethene	U		0.000188	0.00100	1	11/02/2021 15:44	WG1767486
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	11/02/2021 15:44	WG1767486
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	11/02/2021 15:44	WG1767486
1,2-Dichloropropane	U		0.000149	0.00100	1	11/02/2021 15:44	WG1767486
1,1-Dichloropropene	U		0.000142	0.00100	1	11/02/2021 15:44	WG1767486
1,3-Dichloropropane	U		0.000110	0.00100	1	11/02/2021 15:44	WG1767486
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	11/02/2021 15:44	WG1767486
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	11/02/2021 15:44	WG1767486
2,2-Dichloropropane	U	J4	0.000161	0.00100	1	11/02/2021 15:44	WG1767486
Di-isopropyl ether	U		0.000105	0.00100	1	11/02/2021 15:44	WG1767486
Ethylbenzene	U		0.000137	0.00100	1	11/02/2021 15:44	WG1767486
Hexachloro-1,3-butadiene	U	J4	0.000337	0.00100	1	11/02/2021 15:44	WG1767486
n-Hexane	U		0.000749	0.0100	1	11/02/2021 15:44	WG1767486
Isopropylbenzene	U		0.000105	0.00100	1	11/02/2021 15:44	WG1767486
p-Isopropyltoluene	U		0.000120	0.00100	1	11/02/2021 15:44	WG1767486
2-Butanone (MEK)	U		0.00119	0.0100	1	11/02/2021 15:44	WG1767486
Methylene Chloride	U		0.000430	0.00500	1	11/02/2021 15:44	WG1767486
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	11/02/2021 15:44	WG1767486
Methyl tert-butyl ether	U		0.000101	0.00100	1	11/02/2021 15:44	WG1767486
Naphthalene	U		0.00100	0.00500	1	11/02/2021 15:44	WG1767486
n-Propylbenzene	U		0.0000993	0.00100	1	11/02/2021 15:44	WG1767486
Styrene	U		0.000118	0.00100	1	11/02/2021 15:44	WG1767486
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	11/02/2021 15:44	WG1767486
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	11/02/2021 15:44	WG1767486
Tetrachloroethene	U		0.000300	0.00100	1	11/02/2021 15:44	WG1767486
Toluene	U		0.000278	0.00100	1	11/02/2021 15:44	WG1767486
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	11/02/2021 15:44	WG1767486
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	11/02/2021 15:44	WG1767486

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	11/02/2021 15:44	WG1767486
1,1,2-Trichloroethane	U		0.000158	0.00100	1	11/02/2021 15:44	WG1767486
Trichloroethene	U		0.000190	0.00100	1	11/02/2021 15:44	WG1767486
Trichlorofluoromethane	U		0.000160	0.00500	1	11/02/2021 15:44	WG1767486
1,2,3-Trichloropropane	U		0.000237	0.00250	1	11/02/2021 15:44	WG1767486
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	11/02/2021 15:44	WG1767486
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	11/02/2021 15:44	WG1767486
Vinyl chloride	U		0.000234	0.00100	1	11/02/2021 15:44	WG1767486
Xylenes, Total	U		0.000174	0.00300	1	11/02/2021 15:44	WG1767486
(S) Toluene-d8	*102*			*80.0-120*		*11/02/2021 15:44*	WG1767486
(S) 4-Bromofluorobenzene	*88.5*			*77.0-126*		*11/02/2021 15:44*	WG1767486
(S) 1,2-Dichloroethane-d4	*123*			*70.0-130*		*11/02/2021 15:44*	WG1767486

QUALITY CONTROL SUMMARY

L1424325-01,02,03,04,05,06,07,08,09

Method Blank (MB)

(MB) R3724771-1 11/02/21 12:12

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00300			

L1424325-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1424325-05 11/02/21 12:12 • (DUP) R3724771-3 11/02/21 12:12

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	91.8	90.2	1	1.71		10

Laboratory Control Sample (LCS)

(LCS) R3724771-2 11/02/21 12:12

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

QUALITY CONTROL SUMMARY

L1424325-10,11,12,13,14,15,16,17

Method Blank (MB)

(MB) R3724760-1 11/02/21 12:00

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1424325-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1424325-16 11/02/21 12:00 • (DUP) R3724760-3 11/02/21 12:00

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	88.6	87.4	1	1.28		10

Laboratory Control Sample (LCS)

(LCS) R3724760-2 11/02/21 12:00

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3726566-2 10/30/21 22:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
TPHG C6 - C12	U		0.0339	0.100
(S) a,a,a-Trifluorotoluene(FID)	*95.4*			*77.0-120*

Laboratory Control Sample (LCS)

(LCS) R3726566-1 10/30/21 21:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
TPHG C6 - C12	5.50	6.03	110	71.0-124	
(S) a,a,a-Trifluorotoluene(FID)			*115*	*77.0-120*	

L1424325-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1424325-01 10/30/21 23:42 • (MS) R3726566-3 10/31/21 05:55 • (MSD) R3726566-4 10/31/21 06:17

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
TPHG C6 - C12	146	U	125	129	86.1	88.5	25	10.0-149			2.71	27
(S) a,a,a-Trifluorotoluene(FID)					*109*	*110*		*77.0-120*				

Method Blank (MB)

(MB) R3724919-3 10/31/21 14:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
n-Hexane	U		0.000749	0.0100

Method Blank (MB)

(MB) R3724919-3 10/31/21 14:01

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*101*			*80.0-120*
(S) 4-Bromofluorobenzene	*88.4*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*126*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3724919-1 10/31/21 13:00 • (LCSD) R3724919-2 10/31/21 13:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0270	0.0276	108	110	19.0-160			2.20	27
Acrolein	0.0250	0.0168	0.0220	67.2	88.0	10.0-160		J3	26.8	26
Acrylonitrile	0.0250	0.0196	0.0207	78.4	82.8	55.0-149			5.46	20
Bromobenzene	0.00500	0.00462	0.00454	92.4	90.8	73.0-121			1.75	20
Bromodichloromethane	0.00500	0.00540	0.00537	108	107	75.0-120			0.557	20
Bromoform	0.00500	0.00454	0.00435	90.8	87.0	68.0-132			4.27	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3724919-1 10/31/21 13:00 • (LCSD) R3724919-2 10/31/21 13:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.00500	0.00615	0.00587	123	117	10.0-160			4.66	25
n-Butylbenzene	0.00500	0.00468	0.00475	93.6	95.0	73.0-125			1.48	20
sec-Butylbenzene	0.00500	0.00459	0.00477	91.8	95.4	75.0-125			3.85	20
tert-Butylbenzene	0.00500	0.00431	0.00438	86.2	87.6	76.0-124			1.61	20
Carbon tetrachloride	0.00500	0.00570	0.00532	114	106	68.0-126			6.90	20
Chlorobenzene	0.00500	0.00478	0.00471	95.6	94.2	80.0-121			1.48	20
Chlorodibromomethane	0.00500	0.00475	0.00467	95.0	93.4	77.0-125			1.70	20
Chloroethane	0.00500	0.00561	0.00483	112	96.6	47.0-150			14.9	20
Chloroform	0.00500	0.00557	0.00563	111	113	73.0-120			1.07	20
Chloromethane	0.00500	0.00501	0.00504	100	101	41.0-142			0.597	20
2-Chlorotoluene	0.00500	0.00456	0.00450	91.2	90.0	76.0-123			1.32	20
4-Chlorotoluene	0.00500	0.00445	0.00454	89.0	90.8	75.0-122			2.00	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00357	0.00385	71.4	77.0	58.0-134			7.55	20
1,2-Dibromoethane	0.00500	0.00489	0.00476	97.8	95.2	80.0-122			2.69	20
Dibromomethane	0.00500	0.00521	0.00518	104	104	80.0-120			0.577	20
1,2-Dichlorobenzene	0.00500	0.00502	0.00514	100	103	79.0-121			2.36	20
1,3-Dichlorobenzene	0.00500	0.00557	0.00561	111	112	79.0-120			0.716	20
1,4-Dichlorobenzene	0.00500	0.00539	0.00549	108	110	79.0-120			1.84	20
Dichlorodifluoromethane	0.00500	0.00570	0.00563	114	113	51.0-149			1.24	20
1,1-Dichloroethane	0.00500	0.00542	0.00538	108	108	70.0-126			0.741	20
1,2-Dichloroethane	0.00500	0.00620	0.00613	124	123	70.0-128			1.14	20
1,1-Dichloroethene	0.00500	0.00485	0.00488	97.0	97.6	71.0-124			0.617	20
cis-1,2-Dichloroethene	0.00500	0.00512	0.00486	102	97.2	73.0-120			5.21	20
trans-1,2-Dichloroethene	0.00500	0.00500	0.00492	100	98.4	73.0-120			1.61	20
1,2-Dichloropropane	0.00500	0.00510	0.00533	102	107	77.0-125			4.41	20
1,1-Dichloropropene	0.00500	0.00517	0.00517	103	103	74.0-126			0.000	20
1,3-Dichloropropane	0.00500	0.00524	0.00516	105	103	80.0-120			1.54	20
cis-1,3-Dichloropropene	0.00500	0.00507	0.00501	101	100	80.0-123			1.19	20
trans-1,3-Dichloropropene	0.00500	0.00485	0.00469	97.0	93.8	78.0-124			3.35	20
2,2-Dichloropropane	0.00500	0.00511	0.00467	102	93.4	58.0-130			9.00	20
Di-isopropyl ether	0.00500	0.00541	0.00534	108	107	58.0-138			1.30	20
Ethylbenzene	0.00500	0.00475	0.00475	95.0	95.0	79.0-123			0.000	20
Hexachloro-1,3-butadiene	0.00500	0.00538	0.00561	108	112	54.0-138			4.19	20
n-Hexane	0.00500	0.00441	0.00434	88.2	86.8	57.0-133			1.60	20
Isopropylbenzene	0.00500	0.00470	0.00466	94.0	93.2	76.0-127			0.855	20
p-Isopropyltoluene	0.00500	0.00476	0.00470	95.2	94.0	76.0-125			1.27	20
2-Butanone (MEK)	0.0250	0.0226	0.0234	90.4	93.6	44.0-160			3.48	20
Methylene Chloride	0.00500	0.00520	0.00515	104	103	67.0-120			0.966	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0225	0.0224	90.0	89.6	68.0-142			0.445	20
Methyl tert-butyl ether	0.00500	0.00452	0.00450	90.4	90.0	68.0-125			0.443	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3724919-1 10/31/21 13:00 • (LCSD) R3724919-2 10/31/21 13:20

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.00500	0.00403	0.00432	80.6	86.4	54.0-135			6.95	20
n-Propylbenzene	0.00500	0.00442	0.00435	88.4	87.0	77.0-124			1.60	20
Styrene	0.00500	0.00337	0.00321	67.4	64.2	73.0-130	J4	J4	4.86	20
1,1,1,2-Tetrachloroethane	0.00500	0.00542	0.00541	108	108	75.0-125			0.185	20
1,1,2,2-Tetrachloroethane	0.00500	0.00409	0.00416	81.8	83.2	65.0-130			1.70	20
Tetrachloroethene	0.00500	0.00520	0.00522	104	104	72.0-132			0.384	20
Toluene	0.00500	0.00469	0.00460	93.8	92.0	79.0-120			1.94	20
1,2,3-Trichlorobenzene	0.00500	0.00500	0.00541	100	108	50.0-138			7.88	20
1,2,4-Trichlorobenzene	0.00500	0.00526	0.00540	105	108	57.0-137			2.63	20
1,1,1-Trichloroethane	0.00500	0.00535	0.00535	107	107	73.0-124			0.000	20
1,1,2-Trichloroethane	0.00500	0.00475	0.00498	95.0	99.6	80.0-120			4.73	20
Trichloroethene	0.00500	0.00529	0.00530	106	106	78.0-124			0.189	20
Trichlorofluoromethane	0.00500	0.00503	0.00498	101	99.6	59.0-147			0.999	20
1,2,3-Trichloropropane	0.00500	0.00441	0.00437	88.2	87.4	73.0-130			0.911	20
1,2,4-Trimethylbenzene	0.00500	0.00454	0.00449	90.8	89.8	76.0-121			1.11	20
1,3,5-Trimethylbenzene	0.00500	0.00442	0.00453	88.4	90.6	76.0-122			2.46	20
Vinyl chloride	0.00500	0.00579	0.00552	116	110	67.0-131			4.77	20
Xylenes, Total	0.0150	0.0139	0.0134	92.7	89.3	79.0-123			3.66	20
(S) Toluene-d8				*100*	*97.4*	*80.0-120*				
(S) 4-Bromofluorobenzene				*93.3*	*93.5*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*123*	*123*	*70.0-130*				

Method Blank (MB)

(MB) R3725431-4 11/02/21 11:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	0.000321	J	0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	0.000369	J	0.000337	0.00100

Method Blank (MB)

(MB) R3725431-4 11/02/21 11:21

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
n-Hexane	U		0.000749	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	0.000145	J	0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*107*			*80.0-120*
(S) 4-Bromofluorobenzene	*94.2*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*111*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3725431-1 11/02/21 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0240	96.0	19.0-160	
Acrolein	0.0250	0.0353	141	10.0-160	
Acrylonitrile	0.0250	0.0251	100	55.0-149	
Benzene	0.00500	0.00505	101	70.0-123	
Bromobenzene	0.00500	0.00501	100	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3725431-1 11/02/21 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromodichloromethane	0.00500	0.00588	118	75.0-120	
Bromoform	0.00500	0.00562	112	68.0-132	
Bromomethane	0.00500	0.00594	119	10.0-160	
n-Butylbenzene	0.00500	0.00445	89.0	73.0-125	
sec-Butylbenzene	0.00500	0.00498	99.6	75.0-125	
tert-Butylbenzene	0.00500	0.00469	93.8	76.0-124	
Carbon tetrachloride	0.00500	0.00585	117	68.0-126	
Chlorobenzene	0.00500	0.00423	84.6	80.0-121	
Chlorodibromomethane	0.00500	0.00520	104	77.0-125	
Chloroethane	0.00500	0.00693	139	47.0-150	
Chloroform	0.00500	0.00542	108	73.0-120	
Chloromethane	0.00500	0.00565	113	41.0-142	
2-Chlorotoluene	0.00500	0.00499	99.8	76.0-123	
4-Chlorotoluene	0.00500	0.00505	101	75.0-122	
1,2-Dibromo-3-Chloropropane	0.00500	0.00463	92.6	58.0-134	
1,2-Dibromoethane	0.00500	0.00490	98.0	80.0-122	
Dibromomethane	0.00500	0.00527	105	80.0-120	
1,2-Dichlorobenzene	0.00500	0.00482	96.4	79.0-121	
1,3-Dichlorobenzene	0.00500	0.00508	102	79.0-120	
1,4-Dichlorobenzene	0.00500	0.00528	106	79.0-120	
Dichlorodifluoromethane	0.00500	0.00533	107	51.0-149	
1,1-Dichloroethane	0.00500	0.00537	107	70.0-126	
1,2-Dichloroethane	0.00500	0.00566	113	70.0-128	
1,1-Dichloroethene	0.00500	0.00479	95.8	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00443	88.6	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00481	96.2	73.0-120	
1,2-Dichloropropane	0.00500	0.00564	113	77.0-125	
1,1-Dichloropropene	0.00500	0.00533	107	74.0-126	
1,3-Dichloropropane	0.00500	0.00532	106	80.0-120	
cis-1,3-Dichloropropene	0.00500	0.00602	120	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00592	118	78.0-124	
2,2-Dichloropropane	0.00500	0.00711	142	58.0-130	J4
Di-isopropyl ether	0.00500	0.00481	96.2	58.0-138	
Ethylbenzene	0.00500	0.00467	93.4	79.0-123	
Hexachloro-1,3-butadiene	0.00500	0.00701	140	54.0-138	J4
n-Hexane	0.00500	0.00564	113	57.0-133	
Isopropylbenzene	0.00500	0.00449	89.8	76.0-127	
p-Isopropyltoluene	0.00500	0.00469	93.8	76.0-125	
2-Butanone (MEK)	0.0250	0.0236	94.4	44.0-160	
Methylene Chloride	0.00500	0.00506	101	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R3725431-1 11/02/21 10:00

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	0.0250	0.0223	89.2	68.0-142	
Methyl tert-butyl ether	0.00500	0.00527	105	68.0-125	
Naphthalene	0.00500	0.00413	82.6	54.0-135	
n-Propylbenzene	0.00500	0.00484	96.8	77.0-124	
Styrene	0.00500	0.00461	92.2	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00492	98.4	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00518	104	65.0-130	
Tetrachloroethene	0.00500	0.00523	105	72.0-132	
Toluene	0.00500	0.00446	89.2	79.0-120	
1,2,3-Trichlorobenzene	0.00500	0.00570	114	50.0-138	
1,2,4-Trichlorobenzene	0.00500	0.00530	106	57.0-137	
1,1,1-Trichloroethane	0.00500	0.00593	119	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00492	98.4	80.0-120	
Trichloroethene	0.00500	0.00500	100	78.0-124	
Trichlorofluoromethane	0.00500	0.00608	122	59.0-147	
1,2,3-Trichloropropane	0.00500	0.00574	115	73.0-130	
1,2,4-Trimethylbenzene	0.00500	0.00480	96.0	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00520	104	76.0-122	
Vinyl chloride	0.00500	0.00578	116	67.0-131	
Xylenes, Total	0.0150	0.0133	88.7	79.0-123	
(S) Toluene-d8			*100*	*80.0-120*	
(S) 4-Bromofluorobenzene			*91.8*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*123*	*70.0-130*	

Method Blank (MB)

(MB) R3725254-3 11/03/21 18:28

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Benzene	U		0.0000941	0.00100
(S) 1,2-Dichloroethane-d4	*95.9*			*70.0-130*
(S) 4-Bromofluorobenzene	*94.7*			*77.0-126*
(S) Toluene-d8	*101*			*80.0-120*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3725254-1 11/03/21 17:27 • (LCSD) R3725254-2 11/03/21 17:47

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Benzene	0.00500	0.00469	0.00479	93.8	95.8	70.0-123			2.11	20
(S) 1,2-Dichloroethane-d4				*96.8*	*94.6*	*70.0-130*				
(S) 4-Bromofluorobenzene				*87.8*	*82.3*	*77.0-126*				
(S) Toluene-d8				*98.3*	*104*	*80.0-120*				

Method Blank (MB)

(MB) R3727557-3 11/06/21 12:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

Method Blank (MB)

(MB) R3727557-3 11/06/21 12:53

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
n-Hexane	U		0.000749	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*109*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*98.3*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3727557-1 11/06/21 11:31 • (LCSD) R3727557-2 11/06/21 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0206	0.0200	82.4	80.0	19.0-160			2.96	27
Acrolein	0.0250	0.0190	0.0205	76.0	82.0	10.0-160			7.59	26
Acrylonitrile	0.0250	0.0206	0.0216	82.4	86.4	55.0-149			4.74	20
Benzene	0.00500	0.00413	0.00441	82.6	88.2	70.0-123			6.56	20
Bromobenzene	0.00500	0.00401	0.00397	80.2	79.4	73.0-121			1.00	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3727557-1 11/06/21 11:31 • (LCSD) R3727557-2 11/06/21 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromodichloromethane	0.00500	0.00400	0.00419	80.0	83.8	75.0-120			4.64	20
Bromoform	0.00500	0.00432	0.00430	86.4	86.0	68.0-132			0.464	20
Bromomethane	0.00500	0.00504	0.00531	101	106	10.0-160			5.22	25
n-Butylbenzene	0.00500	0.00409	0.00438	81.8	87.6	73.0-125			6.85	20
sec-Butylbenzene	0.00500	0.00436	0.00424	87.2	84.8	75.0-125			2.79	20
tert-Butylbenzene	0.00500	0.00461	0.00447	92.2	89.4	76.0-124			3.08	20
Carbon tetrachloride	0.00500	0.00396	0.00393	79.2	78.6	68.0-126			0.760	20
Chlorobenzene	0.00500	0.00481	0.00483	96.2	96.6	80.0-121			0.415	20
Chlorodibromomethane	0.00500	0.00434	0.00423	86.8	84.6	77.0-125			2.57	20
Chloroethane	0.00500	0.00470	0.00505	94.0	101	47.0-150			7.18	20
Chloroform	0.00500	0.00465	0.00466	93.0	93.2	73.0-120			0.215	20
Chloromethane	0.00500	0.00381	0.00427	76.2	85.4	41.0-142			11.4	20
2-Chlorotoluene	0.00500	0.00401	0.00398	80.2	79.6	76.0-123			0.751	20
4-Chlorotoluene	0.00500	0.00428	0.00418	85.6	83.6	75.0-122			2.36	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00431	0.00430	86.2	86.0	58.0-134			0.232	20
1,2-Dibromoethane	0.00500	0.00473	0.00462	94.6	92.4	80.0-122			2.35	20
Dibromomethane	0.00500	0.00452	0.00451	90.4	90.2	80.0-120			0.221	20
1,2-Dichlorobenzene	0.00500	0.00468	0.00465	93.6	93.0	79.0-121			0.643	20
1,3-Dichlorobenzene	0.00500	0.00470	0.00484	94.0	96.8	79.0-120			2.94	20
1,4-Dichlorobenzene	0.00500	0.00460	0.00445	92.0	89.0	79.0-120			3.31	20
Dichlorodifluoromethane	0.00500	0.00462	0.00466	92.4	93.2	51.0-149			0.862	20
1,1-Dichloroethane	0.00500	0.00405	0.00417	81.0	83.4	70.0-126			2.92	20
1,2-Dichloroethane	0.00500	0.00431	0.00437	86.2	87.4	70.0-128			1.38	20
1,1-Dichloroethene	0.00500	0.00413	0.00443	82.6	88.6	71.0-124			7.01	20
cis-1,2-Dichloroethene	0.00500	0.00475	0.00449	95.0	89.8	73.0-120			5.63	20
trans-1,2-Dichloroethene	0.00500	0.00429	0.00443	85.8	88.6	73.0-120			3.21	20
1,2-Dichloropropane	0.00500	0.00421	0.00449	84.2	89.8	77.0-125			6.44	20
1,1-Dichloropropene	0.00500	0.00431	0.00440	86.2	88.0	74.0-126			2.07	20
1,3-Dichloropropane	0.00500	0.00450	0.00445	90.0	89.0	80.0-120			1.12	20
cis-1,3-Dichloropropene	0.00500	0.00417	0.00423	83.4	84.6	80.0-123			1.43	20
trans-1,3-Dichloropropene	0.00500	0.00409	0.00402	81.8	80.4	78.0-124			1.73	20
2,2-Dichloropropane	0.00500	0.00354	0.00316	70.8	63.2	58.0-130			11.3	20
Di-isopropyl ether	0.00500	0.00408	0.00423	81.6	84.6	58.0-138			3.61	20
Ethylbenzene	0.00500	0.00462	0.00464	92.4	92.8	79.0-123			0.432	20
Hexachloro-1,3-butadiene	0.00500	0.00596	0.00654	119	131	54.0-138			9.28	20
n-Hexane	0.00500	0.00306	0.00334	61.2	66.8	57.0-133			8.75	20
Isopropylbenzene	0.00500	0.00473	0.00477	94.6	95.4	76.0-127			0.842	20
p-Isopropyltoluene	0.00500	0.00427	0.00446	85.4	89.2	76.0-125			4.35	20
2-Butanone (MEK)	0.0250	0.0202	0.0206	80.8	82.4	44.0-160			1.96	20
Methylene Chloride	0.00500	0.00507	0.00508	101	102	67.0-120			0.197	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3727557-1 11/06/21 11:31 • (LCSD) R3727557-2 11/06/21 11:51

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
4-Methyl-2-pentanone (MIBK)	0.0250	0.0206	0.0215	82.4	86.0	68.0-142			4.28	20
Methyl tert-butyl ether	0.00500	0.00418	0.00425	83.6	85.0	68.0-125			1.66	20
Naphthalene	0.00500	0.00635	0.00671	127	134	54.0-135			5.51	20
n-Propylbenzene	0.00500	0.00407	0.00413	81.4	82.6	77.0-124			1.46	20
Styrene	0.00500	0.00446	0.00460	89.2	92.0	73.0-130			3.09	20
1,1,1,2-Tetrachloroethane	0.00500	0.00450	0.00477	90.0	95.4	75.0-125			5.83	20
1,1,2,2-Tetrachloroethane	0.00500	0.00346	0.00342	69.2	68.4	65.0-130			1.16	20
Tetrachloroethene	0.00500	0.00450	0.00485	90.0	97.0	72.0-132			7.49	20
Toluene	0.00500	0.00432	0.00443	86.4	88.6	79.0-120			2.51	20
1,2,3-Trichlorobenzene	0.00500	0.00875	0.00965	175	193	50.0-138	J4	J4	9.78	20
1,2,4-Trichlorobenzene	0.00500	0.00557	0.00640	111	128	57.0-137			13.9	20
1,1,1-Trichloroethane	0.00500	0.00416	0.00423	83.2	84.6	73.0-124			1.67	20
1,1,2-Trichloroethane	0.00500	0.00458	0.00453	91.6	90.6	80.0-120			1.10	20
Trichloroethene	0.00500	0.00555	0.00568	111	114	78.0-124			2.32	20
Trichlorofluoromethane	0.00500	0.00461	0.00499	92.2	99.8	59.0-147			7.92	20
1,2,3-Trichloropropane	0.00500	0.00428	0.00405	85.6	81.0	73.0-130			5.52	20
1,2,4-Trimethylbenzene	0.00500	0.00424	0.00429	84.8	85.8	76.0-121			1.17	20
1,3,5-Trimethylbenzene	0.00500	0.00413	0.00428	82.6	85.6	76.0-122			3.57	20
Vinyl chloride	0.00500	0.00482	0.00513	96.4	103	67.0-131			6.23	20
Xylenes, Total	0.0150	0.0139	0.0141	92.7	94.0	79.0-123			1.43	20
(S) Toluene-d8				*107*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*106*	*107*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*95.9*	*99.1*	*70.0-130*				

Method Blank (MB)

(MB) R3724808-2 11/02/21 14:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500

Method Blank (MB)

(MB) R3724808-2 11/02/21 14:47

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	0.110		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*101*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.3*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*106*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3724808-1 11/02/21 13:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.569	91.0	10.0-160	
Acrylonitrile	0.625	0.486	77.8	45.0-153	
Benzene	0.125	0.113	90.4	70.0-123	
Bromobenzene	0.125	0.124	99.2	73.0-121	
Bromodichloromethane	0.125	0.115	92.0	73.0-121	
Bromoform	0.125	0.106	84.8	64.0-132	

Laboratory Control Sample (LCS)

(LCS) R3724808-1 11/02/21 13:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromomethane	0.125	0.115	92.0	56.0-147	
n-Butylbenzene	0.125	0.111	88.8	68.0-135	
sec-Butylbenzene	0.125	0.111	88.8	74.0-130	
tert-Butylbenzene	0.125	0.114	91.2	75.0-127	
Carbon tetrachloride	0.125	0.120	96.0	66.0-128	
Chlorobenzene	0.125	0.113	90.4	76.0-128	
Chlorodibromomethane	0.125	0.107	85.6	74.0-127	
Chloroethane	0.125	0.131	105	61.0-134	
Chloroform	0.125	0.117	93.6	72.0-123	
Chloromethane	0.125	0.147	118	51.0-138	
2-Chlorotoluene	0.125	0.120	96.0	75.0-124	
4-Chlorotoluene	0.125	0.108	86.4	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.102	81.6	59.0-130	
1,2-Dibromoethane	0.125	0.115	92.0	74.0-128	
Dibromomethane	0.125	0.120	96.0	75.0-122	
1,2-Dichlorobenzene	0.125	0.113	90.4	76.0-124	
1,3-Dichlorobenzene	0.125	0.116	92.8	76.0-125	
1,4-Dichlorobenzene	0.125	0.111	88.8	77.0-121	
Dichlorodifluoromethane	0.125	0.116	92.8	43.0-156	
1,1-Dichloroethane	0.125	0.116	92.8	70.0-127	
1,2-Dichloroethane	0.125	0.123	98.4	65.0-131	
1,1-Dichloroethene	0.125	0.120	96.0	65.0-131	
cis-1,2-Dichloroethene	0.125	0.113	90.4	73.0-125	
trans-1,2-Dichloroethene	0.125	0.112	89.6	71.0-125	
1,2-Dichloropropane	0.125	0.119	95.2	74.0-125	
1,1-Dichloropropene	0.125	0.125	100	73.0-125	
1,3-Dichloropropane	0.125	0.118	94.4	80.0-125	
cis-1,3-Dichloropropene	0.125	0.119	95.2	76.0-127	
trans-1,3-Dichloropropene	0.125	0.125	100	73.0-127	
2,2-Dichloropropane	0.125	0.105	84.0	59.0-135	
Di-isopropyl ether	0.125	0.121	96.8	60.0-136	
Ethylbenzene	0.125	0.107	85.6	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.154	123	57.0-150	
n-Hexane	0.125	0.120	96.0	55.0-137	
Isopropylbenzene	0.125	0.104	83.2	72.0-127	
p-Isopropyltoluene	0.125	0.105	84.0	72.0-133	
2-Butanone (MEK)	0.625	0.566	90.6	30.0-160	
Methylene Chloride	0.125	0.107	85.6	68.0-123	
4-Methyl-2-pentanone (MIBK)	0.625	0.623	99.7	56.0-143	
Methyl tert-butyl ether	0.125	0.108	86.4	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R3724808-1 11/02/21 13:50

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.113	90.4	59.0-130	
n-Propylbenzene	0.125	0.114	91.2	74.0-126	
Styrene	0.125	0.103	82.4	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.102	81.6	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.109	87.2	68.0-128	
Tetrachloroethene	0.125	0.124	99.2	70.0-136	
Toluene	0.125	0.112	89.6	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.122	97.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.122	97.6	62.0-137	
1,1,1-Trichloroethane	0.125	0.111	88.8	69.0-126	
1,1,2-Trichloroethane	0.125	0.113	90.4	78.0-123	
Trichloroethene	0.125	0.127	102	76.0-126	
Trichlorofluoromethane	0.125	0.128	102	61.0-142	
1,2,3-Trichloropropane	0.125	0.112	89.6	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.102	81.6	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.108	86.4	73.0-127	
Vinyl chloride	0.125	0.139	111	63.0-134	
Xylenes, Total	0.375	0.312	83.2	72.0-127	
(S) Toluene-d8			*102*	*75.0-131*	
(S) 4-Bromofluorobenzene			*97.9*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*106*	*70.0-130*	

Method Blank (MB)

(MB) R3725668-2 11/03/21 18:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500

Method Blank (MB)

(MB) R3725668-2 11/03/21 18:01

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	0.0997	J	0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*104*			*75.0-131*
(S) 4-Bromofluorobenzene	*99.4*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*105*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3725668-1 11/03/21 17:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.625	0.579	92.6	10.0-160	
Acrylonitrile	0.625	0.527	84.3	45.0-153	
Benzene	0.125	0.112	89.6	70.0-123	
Bromobenzene	0.125	0.127	102	73.0-121	
Bromodichloromethane	0.125	0.116	92.8	73.0-121	
Bromoform	0.125	0.110	88.0	64.0-132	

Laboratory Control Sample (LCS)

(LCS) R3725668-1 11/03/21 17:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromomethane	0.125	0.0859	68.7	56.0-147	
n-Butylbenzene	0.125	0.117	93.6	68.0-135	
sec-Butylbenzene	0.125	0.117	93.6	74.0-130	
tert-Butylbenzene	0.125	0.119	95.2	75.0-127	
Carbon tetrachloride	0.125	0.116	92.8	66.0-128	
Chlorobenzene	0.125	0.115	92.0	76.0-128	
Chlorodibromomethane	0.125	0.114	91.2	74.0-127	
Chloroethane	0.125	0.105	84.0	61.0-134	
Chloroform	0.125	0.108	86.4	72.0-123	
Chloromethane	0.125	0.148	118	51.0-138	
2-Chlorotoluene	0.125	0.119	95.2	75.0-124	
4-Chlorotoluene	0.125	0.112	89.6	75.0-124	
1,2-Dibromo-3-Chloropropane	0.125	0.111	88.8	59.0-130	
1,2-Dibromoethane	0.125	0.119	95.2	74.0-128	
Dibromomethane	0.125	0.122	97.6	75.0-122	
1,2-Dichlorobenzene	0.125	0.110	88.0	76.0-124	
1,3-Dichlorobenzene	0.125	0.114	91.2	76.0-125	
1,4-Dichlorobenzene	0.125	0.112	89.6	77.0-121	
Dichlorodifluoromethane	0.125	0.105	84.0	43.0-156	
1,1-Dichloroethane	0.125	0.108	86.4	70.0-127	
1,2-Dichloroethane	0.125	0.127	102	65.0-131	
1,1-Dichloroethene	0.125	0.107	85.6	65.0-131	
cis-1,2-Dichloroethene	0.125	0.108	86.4	73.0-125	
trans-1,2-Dichloroethene	0.125	0.0982	78.6	71.0-125	
1,2-Dichloropropane	0.125	0.120	96.0	74.0-125	
1,1-Dichloropropene	0.125	0.118	94.4	73.0-125	
1,3-Dichloropropane	0.125	0.121	96.8	80.0-125	
cis-1,3-Dichloropropene	0.125	0.125	100	76.0-127	
trans-1,3-Dichloropropene	0.125	0.132	106	73.0-127	
2,2-Dichloropropane	0.125	0.105	84.0	59.0-135	
Di-isopropyl ether	0.125	0.125	100	60.0-136	
Ethylbenzene	0.125	0.106	84.8	74.0-126	
Hexachloro-1,3-butadiene	0.125	0.149	119	57.0-150	
n-Hexane	0.125	0.108	86.4	55.0-137	
Isopropylbenzene	0.125	0.106	84.8	72.0-127	
p-Isopropyltoluene	0.125	0.109	87.2	72.0-133	
2-Butanone (MEK)	0.625	0.769	123	30.0-160	
Methylene Chloride	0.125	0.0830	66.4	68.0-123	J4
4-Methyl-2-pentanone (MIBK)	0.625	0.696	111	56.0-143	
Methyl tert-butyl ether	0.125	0.0993	79.4	66.0-132	

Laboratory Control Sample (LCS)

(LCS) R3725668-1 11/03/21 17:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Naphthalene	0.125	0.118	94.4	59.0-130	
n-Propylbenzene	0.125	0.117	93.6	74.0-126	
Styrene	0.125	0.106	84.8	72.0-127	
1,1,1,2-Tetrachloroethane	0.125	0.104	83.2	74.0-129	
1,1,2,2-Tetrachloroethane	0.125	0.113	90.4	68.0-128	
Tetrachloroethene	0.125	0.122	97.6	70.0-136	
Toluene	0.125	0.113	90.4	75.0-121	
1,2,3-Trichlorobenzene	0.125	0.117	93.6	59.0-139	
1,2,4-Trichlorobenzene	0.125	0.126	101	62.0-137	
1,1,1-Trichloroethane	0.125	0.111	88.8	69.0-126	
1,1,2-Trichloroethane	0.125	0.121	96.8	78.0-123	
Trichloroethene	0.125	0.128	102	76.0-126	
Trichlorofluoromethane	0.125	0.0951	76.1	61.0-142	
1,2,3-Trichloropropane	0.125	0.119	95.2	67.0-129	
1,2,4-Trimethylbenzene	0.125	0.107	85.6	70.0-126	
1,3,5-Trimethylbenzene	0.125	0.114	91.2	73.0-127	
Vinyl chloride	0.125	0.124	99.2	63.0-134	
Xylenes, Total	0.375	0.319	85.1	72.0-127	
(S) Toluene-d8			*104*	*75.0-131*	
(S) 4-Bromofluorobenzene			*98.7*	*67.0-138*	
(S) 1,2-Dichloroethane-d4			*103*	*70.0-130*	

QUALITY CONTROL SUMMARY

L1424325-01,02,03,04,05,06,07,08,09,10,13,14,15,16,17

Method Blank (MB)

(MB) R3725313-1 11/03/21 21:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C20 Hydrocarbons	U		0.610	4.00
C20-C34 Hydrocarbons	U		0.611	4.00
(S) o-Terphenyl	*70.0*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3725313-2 11/03/21 21:17

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C20 Hydrocarbons	25.0	19.5	78.0	50.0-150	
C20-C34 Hydrocarbons	25.0	19.6	78.4	50.0-150	
(S) o-Terphenyl			*77.3*	*18.0-148*	

L1424325-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1424325-09 11/04/21 01:10 • (MS) R3725313-3 11/04/21 01:23 • (MSD) R3725313-4 11/04/21 01:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
C10-C20 Hydrocarbons	26.4	123	143	141	77.2	68.8	10	50.0-150			1.52	20
C20-C34 Hydrocarbons	26.4	830	794	809	0.000	0.000	10	50.0-150	V	V	1.88	20
(S) o-Terphenyl					*54.1*	*65.3*		*18.0-148*				

Method Blank (MB)

(MB) R3737056-1 12/04/21 09:58

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
C10-C20 Hydrocarbons	U		0.610	4.00
C20-C34 Hydrocarbons	U		0.611	4.00
(S) o-Terphenyl	*82.9*			*18.0-148*

Laboratory Control Sample (LCS)

(LCS) R3737056-2 12/04/21 10:10

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
C10-C20 Hydrocarbons	25.0	21.5	86.0	50.0-150	
C20-C34 Hydrocarbons	25.0	21.2	84.8	50.0-150	
(S) o-Terphenyl			*89.2*	*18.0-148*	

Method Blank (MB)

(MB) R3727013-1 11/08/21 01:28

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
PCB 1016	U		0.0118	0.0340
PCB 1221	U		0.0118	0.0340
PCB 1232	U		0.0118	0.0340
PCB 1242	U		0.0118	0.0340
PCB 1248	U		0.00738	0.0170
PCB 1254	U		0.00738	0.0170
PCB 1260	U		0.00738	0.0170
(S) Decachlorobiphenyl	*105*			*10.0-135*
(S) Tetrachloro-m-xylene	*99.5*			*10.0-139*

Laboratory Control Sample (LCS)

(LCS) R3727013-2 11/08/21 01:38

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
PCB 1260	0.167	0.121	72.5	37.0-145	
PCB 1016	0.167	0.152	91.0	36.0-141	P
(S) Decachlorobiphenyl			*61.9*	*10.0-135*	
(S) Tetrachloro-m-xylene			*60.1*	*10.0-139*	

L1424311-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1424311-08 11/08/21 02:40 • (MS) R3727013-3 11/08/21 02:50 • (MSD) R3727013-4 11/08/21 03:01

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.239	U	0.323	0.326	135	137	1	10.0-160			0.881	38
PCB 1016	0.239	U	0.355	0.382	149	160	1	10.0-160			7.38	37
(S) Decachlorobiphenyl					*102*	*103*		*10.0-135*				
(S) Tetrachloro-m-xylene					*105*	*104*		*10.0-139*				

Method Blank (MB)

(MB) R3726727-1 11/05/21 16:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
PCB 1260	U		0.000173	0.000500
PCB 1016	U		0.000270	0.000500
PCB 1221	U		0.000270	0.000500
PCB 1232	U		0.000270	0.000500
PCB 1242	U		0.000270	0.000500
PCB 1248	U		0.000173	0.000500
PCB 1254	U		0.000173	0.000500
(S) Decachlorobiphenyl	*54.2*		*10.0-128*	
(S) Tetrachloro-m-xylene	*87.9*		*10.0-127*	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3726727-2 11/05/21 16:32 • (LCSD) R3726727-3 11/05/21 16:43

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
PCB 1260	0.00250	0.00178	0.00245	71.2	98.0	42.0-131		J3	31.7	25
PCB 1016	0.00250	0.00233	0.00301	93.2	120	36.0-135	P	P	25.5	29
(S) Decachlorobiphenyl				*35.2*	*34.0*	*10.0-128*				
(S) Tetrachloro-m-xylene				*82.6*	*110*	*10.0-127*				

Method Blank (MB)

(MB) R3724916-3 11/02/21 20:54

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Acenaphthylene	U		0.0000171	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(g,h,i)perylene	U		0.0000184	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Dibenz(a,h)anthracene	U		0.0000160	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	U		0.0000180	0.0000500
Pyrene	U		0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
2-Chloronaphthalene	U		0.0000682	0.000250
(S) Nitrobenzene-d5	*111*			*31.0-160*
(S) 2-Fluorobiphenyl	*113*			*48.0-148*
(S) p-Terphenyl-d14	*134*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3724916-1 11/02/21 20:14 • (LCSD) R3724916-2 11/02/21 20:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00206	0.00222	103	111	67.0-150			7.48	20
Acenaphthene	0.00200	0.00210	0.00227	105	114	65.0-138			7.78	20
Acenaphthylene	0.00200	0.00207	0.00225	103	112	66.0-140			8.33	20
Benzo(a)anthracene	0.00200	0.00204	0.00220	102	110	61.0-140			7.55	20
Benzo(a)pyrene	0.00200	0.00189	0.00194	94.5	97.0	60.0-143			2.61	20
Benzo(b)fluoranthene	0.00200	0.00198	0.00198	99.0	99.0	58.0-141			0.000	20
Benzo(g,h,i)perylene	0.00200	0.00189	0.00186	94.5	93.0	52.0-153			1.60	20
Benzo(k)fluoranthene	0.00200	0.00195	0.00190	97.5	95.0	58.0-148			2.60	20
Chrysene	0.00200	0.00206	0.00223	103	111	64.0-144			7.93	20
Dibenz(a,h)anthracene	0.00200	0.00185	0.00178	92.5	89.0	52.0-155			3.86	20
Fluoranthene	0.00200	0.00221	0.00242	111	121	69.0-153			9.07	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3724916-1 11/02/21 20:14 • (LCSD) R3724916-2 11/02/21 20:34

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	0.00200	0.00226	0.00247	113	123	64.0-136			8.88	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00184	0.00184	92.0	92.0	54.0-153			0.000	20
Naphthalene	0.00200	0.00203	0.00222	102	111	61.0-137			8.94	20
Phenanthrene	0.00200	0.00210	0.00228	105	114	62.0-137			8.22	20
Pyrene	0.00200	0.00231	0.00254	115	127	60.0-142			9.48	20
1-Methylnaphthalene	0.00200	0.00209	0.00231	105	115	66.0-142			10.0	20
2-Methylnaphthalene	0.00200	0.00197	0.00218	98.5	109	62.0-136			10.1	20
2-Chloronaphthalene	0.00200	0.00220	0.00238	110	119	64.0-140			7.86	20
(S) Nitrobenzene-d5				*116*	*122*	*31.0-160*				
(S) 2-Fluorobiphenyl				*113*	*124*	*48.0-148*				
(S) p-Terphenyl-d14				*124*	*133*	*37.0-146*				

Method Blank (MB)

(MB) R3726453-2 11/05/21 17:00

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*67.4*			*14.0-149*
(S) 2-Fluorobiphenyl	*78.3*			*34.0-125*
(S) p-Terphenyl-d14	*98.6*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3726453-1 11/05/21 16:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0585	73.1	50.0-126	
Acenaphthene	0.0800	0.0621	77.6	50.0-120	
Acenaphthylene	0.0800	0.0623	77.9	50.0-120	
Benzo(a)anthracene	0.0800	0.0591	73.9	45.0-120	
Benzo(a)pyrene	0.0800	0.0557	69.6	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0657	82.1	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0600	75.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0635	79.4	49.0-125	
Chrysene	0.0800	0.0605	75.6	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0619	77.4	47.0-125	
Fluoranthene	0.0800	0.0638	79.8	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3726453-1 11/05/21 16:42

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0624	78.0	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0610	76.3	46.0-125	
Naphthalene	0.0800	0.0540	67.5	50.0-120	
Phenanthrene	0.0800	0.0602	75.3	47.0-120	
Pyrene	0.0800	0.0629	78.6	43.0-123	
1-Methylnaphthalene	0.0800	0.0610	76.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0579	72.4	50.0-120	
2-Chloronaphthalene	0.0800	0.0605	75.6	50.0-120	
(S) Nitrobenzene-d5			*69.7*	*14.0-149*	
(S) 2-Fluorobiphenyl			*78.4*	*34.0-125*	
(S) p-Terphenyl-d14			*90.3*	*23.0-120*	

L1424325-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1424325-10 11/05/21 20:15 • (MS) R3726453-3 11/05/21 20:32 • (MSD) R3726453-4 11/05/21 20:52

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0900	0.0216	0.0741	0.105	58.4	93.8	1	10.0-145		J3	34.2	30
Acenaphthene	0.0900	0.0396	0.109	0.144	76.7	118	1	14.0-127		J3	27.9	27
Acenaphthylene	0.0900	U	0.0804	0.100	89.3	113	1	21.0-124			21.9	25
Benzo(a)anthracene	0.0900	0.0407	0.117	0.150	84.9	123	1	10.0-139			24.3	30
Benzo(a)pyrene	0.0900	0.0312	0.0941	0.121	69.8	101	1	10.0-141			24.7	31
Benzo(b)fluoranthene	0.0900	0.0312	0.0955	0.121	71.4	101	1	10.0-140			23.3	36
Benzo(g,h,i)perylene	0.0900	0.0237	0.0817	0.103	64.4	89.7	1	10.0-140			23.2	33
Benzo(k)fluoranthene	0.0900	0.0370	0.0997	0.129	69.6	104	1	10.0-137			25.5	31
Chrysene	0.0900	0.0469	0.143	0.183	106	154	1	10.0-145		J5	24.9	30
Dibenz(a,h)anthracene	0.0900	0.00339	0.0598	0.0683	62.6	73.3	1	10.0-132			13.4	31
Fluoranthene	0.0900	0.123	0.212	0.306	99.2	207	1	10.0-153		J3 J5	36.2	33
Fluorene	0.0900	0.0797	0.151	0.208	79.0	144	1	11.0-130		J3 J5	31.7	29
Indeno(1,2,3-cd)pyrene	0.0900	0.0171	0.0754	0.0907	64.8	83.1	1	10.0-137			18.4	32
Naphthalene	0.0900	0.0569	0.123	0.151	73.5	106	1	10.0-135			20.3	27
Phenanthrene	0.0900	0.410	0.541	0.830	146	474	1	10.0-144	V	J3 V	42.2	31
Pyrene	0.0900	0.333	0.453	0.660	133	369	1	10.0-148		J3 J5	37.3	35
1-Methylnaphthalene	0.0900	0.123	0.273	0.193	166	78.5	1	10.0-142	J5	J3	34.4	28
2-Methylnaphthalene	0.0900	0.0215	0.104	0.0866	91.5	73.4	1	10.0-137			18.2	28
2-Chloronaphthalene	0.0900	U	0.0541	0.0589	60.1	66.5	1	29.0-120			8.62	24
(S) Nitrobenzene-d5					*0.000*	*0.000*		*14.0-149*	J2	J2		
(S) 2-Fluorobiphenyl					*65.3*	*74.2*		*34.0-125*				
(S) p-Terphenyl-d14					*88.8*	*97.1*		*23.0-120*				

L1424325-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1424325-10 11/05/21 20:15 • (MS) R3726453-3 11/05/21 20:32 • (MSD) R3726453-4 11/05/21 20:52

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %

Sample Narrative:

OS: Surrogate failure due to matrix interference

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
B	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J2	Surrogate recovery limits have been exceeded; values are outside lower control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J7	Surrogate recovery cannot be used for control limit evaluation due to dilution.
P	RPD between the primary and confirmatory analysis exceeded 40%.

GLOSSARY OF TERMS

Qualifier	Description
Q	Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Billing Information:
Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Valerie Weir

Email To: TWeir VWeir @partnersenv.com

Project Description: CCLRC-12500 Euclid Avenue

City/State Collected: East Cleveland OH

Phone: 800-763-1363
Fax:

Client Project # 896.118

Lab Project #

L# 4424325
J092

Collected by (print): Tom Weir

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Acctnum: PARENVOH
Template:
Prelogin:
TSR: Heather Wagner
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260	PAHs 8270	TPH C6-C34 8015	PCBs 8082						Remarks	Sample # (lab only)
SB-01 (2-4 FT)	GRAB	SS	2-4	10/26/21	-	2	X		X								-01
SB-01 (8-10 FT)			8-10		-	3	X	X	X	X							-02
SB-02 (0-2 FT)			0-2		-	2	X		X								-03
SB-02 (6-8 FT)			6-8		-	2	X		X								-04
SB-03 (0-2 FT)			0-2		-	3	X		X								-05
SB-03 (6-8 FT)			6-8		-	3	X	X	X	X							-06
SB-04 (4-6 FT)			4-6		-	2	X		X								-07
SB-04 (6-8 FT)			6-8		-	2	X		X								-08
SB-05 (6-8 FT)			6-8		-	3	X		X								-09
SB-05 (8-10 FT)			8-10		-	3	X	X	X	X							-10

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Ohio VAP Protocol

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking # 5300 4296 8768

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	
[signature]	10/28/21	1115	[signature]	[signature]	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.2+0=2.2 °C Bottles Received: 58	If preservation required by Login: Date/Time
[signature] PVCOH	28Oct21	17:00	FEDEX		
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/29/21 Time: 1350	Hold: Condition: NCF / OK
			T Robertson		

Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Billing Information:
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31100 Solon Road, Suite G
Solon, OH 44319

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 2 of 3

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Valerie Weir

Email To: TWEIR VWEIR @partnersenv.com

Project Description: CCLRC- 12500 Euclid Ave

City/State Collected: East Cleveland OH

Phone: **800-763-1363**
Fax:

Client Project # 896.118

Lab Project #

Collected by (print): Tom Weir

Site/Facility ID #

P.O. #

Collected by (signature): Thomas A W

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

L# U424325

Table #

Acctnum: **PARENVOH**

Template:

Prelogin:

TSR: **Heather Wagner**

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260	PAHs 8270	TPH C6-C34 8015	PCBs 8082						Remarks	Sample # (lab only)
SB-05 (8-10 Ft) Duplicate	GRAB	SS	8-10	10/26/21	–	3	X	X	X	X							-11
SB-06 (0-2 Ft)	↓	↓	0-2	↓	–	3	X		X								-12
SB-06 (8-10 Ft)	↓	↓	8-10	↓	–	3	X		X	X							-13
MW-01 (4-6 Ft)	↓	↓	4-6	↓	–	2	X		X								-14
MW-01 (8-10 Ft)	↓	↓	8-10	↓	–	2	X		X								-15
MW-02 (0-2 Ft)	↓	SS	0-2	10/26/21	–	3	X		X								-16
MW-02 (2-4 Ft)	↓	SS	2-4	10/26/21	–	3	X	X	X								-17
MW-01	↓	GW	–	10/27/21	1432	2	X										-18
MW-01 Duplicate	↓	↓	–	↓	1432	2	X										-19
MW-02	↓	↓	–	↓	1458	2	X										-20

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Ohio VAP Protocol

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking # 5300 4296 0768

Sample Receipt Checklist
COC Seal Present/Intact: ✓NP __Y __N
COC Signed/Accurate: ✓Y __N
Bottles arrive intact: ✓Y __N
Correct bottles used: ✓Y __N
Sufficient volume sent: ✓Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Thomas A W	10/28/21	1115		HR
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C 2.2 for 2.2 Bottles Received: 58
PNCOH	28 Oct 21	17:00	FEDEX	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/29/21 Time: 1350
			T Robertson	

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Billing Information:
Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Pres Chk

Report to: VALERIE WEIR

Email To: TWEIR VWEIR @partnersenv.com

Project Description: CCLRC- 12500 EUCLID AVENUE

City/State Collected: EAST CLEVELAND OH

Phone: **800-763-1363**
Fax:

Client Project # 896.118

Lab Project #

Collected by (print): TOM WEIR

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N ____ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# L1424325

Table #

Acctnum: **PARENVOH**

Template:

Prelogin:

TSR: **Heather Wagner**

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOCs 8260	PAHs 8270	TPH GRO-C34 8015	PCBs 8082	Remarks	Sample # (lab only)
EQP-102621	GRAB	OT	–	10/26/21	1500	6	X	X		X		-21
EQP-102721	↓	↓	–	10/27/21	1300	2	X					-22
TRIP-102621	↓	LAB	–	10/26/21	1000	1	X					-23

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other DI WATER

Remarks: OHIO VAP PROTOCOL

pH ____ Temp ____
Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier __ ____

Tracking # 5300 4296 0768

Sample Receipt Checklist
COC Seal Present/Intact: __NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
[signature]	10/28/21	1115	[signature]	N/A
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: 2.2 to 2.2 °C Bottles Received: 58
PNCOH	28OCT21	17:00	FEDEX	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 10/29/21 Time: 1350
			J. Robertson	

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

APPENDIX D
SAMPLING FORMS

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PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name: CCLPC -12500 EUCLID	**Project Number:** 896.118		
Monitoring Well ID: MW-01	Date: 10/27/21	Start Time:	Field Personnel: TAW
Weather Conditions: cloudy, high 40s		End Time:	
Comments:			

INITIAL MEASUREMENTS

Measured Well Bottom (ft) 12.83 Ft BGS	Well Casing Diameter : 1 -inches		
Measured Depth to Water (ft) 10.63 Ft BGS	Conversion Factor (gal/lineal foot)		
Calculated Water Column (ft) 2.20	1(25") = 0.08	2" = 0.17	3" = 0.38
One Well Volume (gal) 0.18gal / 0.7L Three Well Volumes (gal) 0.5 / 1.9L	4" = 0.66	6" = 1.50	8" = 2.60

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

PURGE INFORMATION

Purge Method Stainless Steel Bailer; Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Grundfos Pump; Bladder Pump; Other:

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1327	0.5	–	18.3	6.87	1.062	+1000	5.44	-59	-
1334	1	–	19.0	6.94	1.034	+1000	5.88	-118	-
1339	1.5	–	18.9	6.95	1.031	+1000	5.43	-53	-
1344	2	–	19.2	6.90	0.957	+1000	5.26	-48	-
→	DRY								
1430									10.74
1432	SAMPLED								

SAMPLING INFORMATION

Sample Method Stainless Steel Bailer; Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Grundfos Pump; Bladder Pump; Other:

Comments:

DUPLICATE OBTAINED

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml	2	VOC	HCl	–

Sampler (Print Name) Tom Weir

Sampler's Signature Thomas W.

PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name: CCLRC - 12500 Euclid	**Project Number:** 896.118		
Monitoring Well ID: MW-02	Date: 10/27/21	Start Time:	Field Personnel: TAW
Weather Conditions: cloudy, High 40's		End Time:	
Comments:			

INITIAL MEASUREMENTS

Measured Well Bottom (ft) 11.16 ft BGS	Well Casing Diameter : 1 -inches			
Measured Depth to Water (ft) 9.73 ft BGS	Conversion Factor (gal/lineal foot)			
Calculated Water Column (ft) 1.43 ft	1.25" = 0.08	2" = 0.17	3" = 0.38	
One Well Volume (gal) 0.1gal / 0.4L Three Well Volumes (gal) 0.3/1.2L	4" = 0.66	6" = 1.50	8" = 2.60	
Notes: Measurements from Top of Casing (TOC)				

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

PURGE INFORMATION

Purge Method Stainless Steel Bailer; Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Grundfos Pump; Bladder Pump; Other:

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1404	0.5	–	19.0	6.58	0.590	+1000	6.56	-18.9	
→	DRY								
1420	DRY								
1435									10.83
1438	SAMPLE								

SAMPLING INFORMATION

Sample Method Stainless Steel Bailer; Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Grundfos Pump; Bladder Pump; Other:

Comments:

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40ml	2	VOC	HCl	–

Sampler (Print Name) Tom Weir

Sampler's Signature [signature]

LIMITED PHASE II INVESTIGATION

Vacant Commercial Building
12524 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

January 28, 2022

PREPARED FOR: Ms. Kim Kimlin
Chief Operating Officer
Cuyahoga County Land Reutilization Corp.
812 Huron Road E, Suite 800
Cleveland, Ohio 44115
Project #: 896.119

PREPARED BY: Partners
31100 Solon Road, Suite G
Solon, Ohio 44139
Phone: (800) 7631363
Fax: (518) 734-0132

This report has been prepared by Partners for the benefit of our Client in accordance with the approved scope of work. Partners assumes no liability for the unauthorized use of information, conclusions or recommendations included in this report by a third party.

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Appendix B Laboratory Analytical Reports
Appendix C Sampling Forms

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1.0 INTRODUCTION

Partners was contracted by the Cuyahoga County Land Reutilization Corp. (CCLRC, Client) to conduct a Limited Phase II Investigation (Phase II) at the Vacant Commercial Building located at 12524 Euclid Avenue in the City of East Cleveland, Cuyahoga County, Ohio (Property).

The Property is comprised of one (1) parcel, designated as Permanent Parcel Number (PPN) 672-13-010, which is owned by CCLRC. The Property consists of a rectangular shaped parcel measuring 0.17-acres located on Euclid Avenue at the south corner of the intersection of Euclid Avenue and Woodlawn Avenue. The Property is occupied by a vacant two (2) story brick building constructed in 1900.

The Property building has the following associated addresses from south to north: 12524, 12528, 12530, 12532, 12534, and 12538 Euclid Avenue.

2.0 PREVIOUS INVESTIGATIONS

Partners prepared a Phase I Environmental Site Assessment which included the Property parcel in January 2021. The Phase I identified the following recognized environmental condition (REC) on the Property:

> **Historical Dry-Cleaner and Commercial Printing Operations**: Commercial printing operations were present at 12534 Euclid Avenue in at least 1930 and 12530 Euclid Avenue in the 1970s. A dry cleaner was present at 12534 Euclid Avenue from at least 1935.

The following were noted for adjoining sites:

- Limited and Supplemental Phase II investigations were performed in 2019 for the parcel associated with 1810 Woodlawn Avenue which wraps around the Property to the south and east. Trichloroethene (TCE) was detected in the soil gas samples collected in the central portion of the former auto repair facility (4,270 micrograms per cubic meter [µg/m^3]) and near the Euclid Avenue right-of-way in the southern portion of that site (325 µg/m^3). The concentration of TCE in soil gas is above the Ohio Environmental Protection Agency's (EPA) standards for commercial use.

- From at least 1926 to 1963, the site to the south of the Property was used for auto sales, service, and painting. A gasoline UST was depicted on Sanborn Fire Insurance maps to the south of the Property at 12520 Euclid Avenue and within the Euclid Avenue right-of-way. In November 2019, Partners conducted exploratory excavation activities which determined that the UST remained and did not appear to have been abandoned in accordance with previous or current requirements. A gasoline filling station was present at 12500 Euclid Avenue.

Figure 4 shows the Property and adjacent parcels and associated addresses.

3.0 LIMITED PHASE II INVESTIGATION ACTIVITIES

The findings of the Phase I ESA were considered while preparing the Limited Phase II scope of work. It is Partners' understanding that the Property and the existing building will be renovated for residential use. Therefore, future receptor pathways at the Property may include residential receptors and construction/excavation workers.

3.1 General Scope

The Limited Phase II activities included soil, groundwater, and sub-slab vapor sampling and laboratory analysis. Partners advanced two (2) soil borings which were completed as groundwater monitoring wells (PMW-100 and PMW-101). Three (3) sub-slab vapor samples were obtained from within the building.

Prior to initiating field activities, Partners prepared a *Sampling and Analysis Plan* (SAP) dated December 8, 2021. The Limited Phase II Investigation was conducted in accordance with the SAP and the USEPA approved Quality Assurance Project Plan (QAPP) prepared by Partners.

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3.2 Methods of Assessment

3.2.1 Soil Boring, Sampling, Field Screening and Analysis

Soil borings were advanced using a truck-mounted, direct push technology (Geoprobe™) sampling system. The borings were sampled continuously from the ground surface to depths of approximately 14 feet below ground surface (bgs). The Geoprobe™ drives a two (2)-inch outside diameter (OD), stainless steel tube containing a new disposable acetate liner into the subsurface to obtain soil samples. The soil is forced into the liner at continuous four (4)-foot intervals and is then retrieved to the surface. Each four (4)-foot soil sample was further divided into two (2) foot sample intervals, visually observed, sampled, logged, and classified according to the Unified Soil Classification System (USCS) by a member of Partners' field staff. The boring locations are depicted on **Figure 2** and soil boring logs are included in **Appendix A**.

Soil samples were divided into two (2) portions. One (1) portion was placed in new two (2) or four (4)-ounce, pre-cleaned glass jars with Teflon® lined lids, and the second portion was placed in a new re-sealable plastic bag for field screening purposes. Soil samples for volatile organic compounds (VOC) analysis were collected in the field via Method 5035 using TerraCore™ style samplers and a 40 milliliter (ml) amber glass vial containing methanol (one [1] each). Samples placed in the glass jars were labeled and placed in a cooler containing ice, pending submission to an Ohio EPA Voluntary Action Program (VAP) certified laboratory for chemical analysis. New disposable nitrile gloves were worn and changed between each sample to prevent possible cross-contamination. The sampling equipment was decontaminated between sampling events with an Alconox® detergent rinse.

Soil samples were field screened for the presence of organic vapors using a MiniRAE 3000 Photoionization Detector (PID) manufactured by Honeywell RAE Systems. The PID was calibrated prior to field activities using a known concentration of a gas standard in accordance with the manufacturers' specifications. Soil sample PID readings are included on the soil boring logs in **Appendix A**.

Select soil samples were submitted for laboratory analysis based on a combination of historical information, field observations (visual or odor), PID screening results, the most likely depth of a release, and/or the potential point of compliance. Based on the conditions under assessment, selected soil samples were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by USEPA Method 8260 (2 samples)
- Polynuclear Aromatic Hydrocarbons (PAHs) by USEPA Method 8270 (2 samples)

Soil samples were labeled, placed in an iced cooler, and submitted for analysis under appropriate chain-of-custody control to Pace Analytical, a VAP Certified Laboratory (CL0069), located in Mt. Juliet, Tennessee. The laboratory analytical report is included in **Appendix B**.

3.2.2 Groundwater Monitoring Well Installation, Sampling, and Analysis

The two (2) soil borings were completed as groundwater monitoring wells (PMW-100 and PMW-101). The monitoring wells were installed using a hollow stem auger (HSA) drill rig with 4¼-inch inside diameter (ID) augers to a depth of 15 feet bgs. The groundwater monitoring wells were constructed with two (2)-inch diameter polyvinyl chloride (PVC) riser pipe and 10 feet screen positioned to span the groundwater interface. The annular space was filled with sand to approximately two (2) feet above the screen slots and bentonite to the near surface. The monitoring wells were completed at the surface with flush mount protective casings set in a concrete pad. Wells were developed using surge and pump methods and allowed to recover a minimum of 24 hours prior to purging and sampling.

The groundwater monitoring wells were sampled using low-flow sampling methods. Low flow purging and sampling was accomplished using a pneumatically controlled bladder pump with the pump intake set in the approximate center of the submerged well screen interval to limit the disturbance of the sediments that may accumulate at the bottom of the well. A flow-through-cell water quality meter (such as the Horiba-U52) was used to measure the temperature, pH, specific conductivity, turbidity, oxygen-reduction potential (ORP) and dissolved oxygen of the water approximately every three (3) to five (5) minutes while purging. Once the

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measured parameters stabilized, groundwater samples were collected. Prior to purging, the static water level in each was measured using an interface probe to determine depth to groundwater and as a check for the presence of a light non-aqueous phase liquids (LNAPL) and dense non-aqueous phase liquids (DNAPL). Purge volumes and the color, odor, and turbidity of each well were noted on a Groundwater Sampling Log (**Appendix C**).

Groundwater samples were collected and submitted for laboratory analyses of the following parameters:

- VOCs by USEPA Method 8260 (2 samples)

Groundwater samples were labeled, placed in an iced cooler, and submitted for analysis under appropriate chain-of-custody control to Pace Analytical, a VAP Certified Laboratory (CL0069), located in Mt. Juliet, Tennessee. The laboratory analytical report is included in **Appendix B**.

3.2.3 Sub-Slab Sampling and Analysis

Three (3) temporary sub-slab vapor monitoring points (Vapor Pin™) were installed inside the existing building (SSV-01, SSV-02, and SSV-03). Sample Locations are depicted on **Figure 2.** The Vapor Pins™ were installed into a ⅝-inch diameter hole drilled through the slab and approximately three (3) inches into the underlying base material. Leak testing was conducted with a water dam. The water level was observed during the duration of the vapor sampling activities to confirm that the Vapor Pin™ was seated correctly. Teflon tubing was used to connect the vapor pin to a laboratory, certified clean, SUMMA® canister. The flow regulator on each SUMMA® canister was used to collect a sample directly from the sampling point over a one (1) hour period. In addition, one (1) sample of ambient air (BG-01) was obtained during the sampling event in an area believed to be unimpacted by the concerns being assessed to evaluate ambient conditions.

Samples were submitted for analysis under appropriate chain-of-custody control to Pace Analytical, for VOC analysis by USEPA Method 8260, Compendium TO-15.

3.2.4 Investigation Derived Waste

Soil cuttings from the borings/monitoring wells generated during the investigation were placed into two (2) 55-gallon drums that were properly labeled and temporarily stored on the Property pending waste characterization activities.

4.0 POTENTIALLY APPLICABLE COMPARISON STANDARDS

Although the Property is not going through the Ohio EPA VAP, the program has promulgated standards under state environmental law that establish levels that are considered protective of human health and the environment. These standards were used for evaluation of Property conditions. Partners understands that the planned land use of the Property is likely to be for residential purposes.

Evaluation of Soil

The VAP Generic Numerical Direct Contact Soil Standards (GDCS) for the Residential Land Use Category and the Construction/Excavation Activities Category (Ohio Administrative Code [OAC] 3745-300-08) were used for evaluation of the results of soil analyses. Constituents for which no GDCS have been derived were compared to the Ohio EPA VAP Chemical Information Database and Applicable Regulatory Standards (CIDARS), Supplemental Criteria.

Evaluation of Groundwater

Results of groundwater sampling was compared to the USEPA Vapor Intrusion Screening Levels (VISL) Target Groundwater Concentrations for residential land use with a carcinogenic risk of 1E-5, hazard quotient of 1, an attenuation factor (AF) of 0.001, and a groundwater temperature of 11 degrees Celsius in accordance with the Ohio EPA document *Sample Collection and Evaluation of Vapor Intrusion to Indoor Air for Remedial Response, RCRA and VAP.*

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As the Property is located within the Cleveland City-Wide Urban Setting Designation (USD), which establishes that groundwater is not and will not likely be used as a drinking water source, the Ohio VAP generic and risk-based Unrestricted Potable Use Standards (UPUS) are not applicable standards for the Property.

Evaluation of Sub-Slab Vapor

Results of sub-slab analyses were compared to the Ohio VAP generic indoor air standards due to vapor intrusion, residential land use category (OAC rule 3745-300-08). To evaluate sub-slab vapor, an attenuation factor is applied to the indoor air standard to account for the reduction in concentration during vapor migration in the subsurface coupled with the dilution that occurs when the vapors enter a building and mixes with indoor air. In accordance with Ohio EPA guidance and the *USEPA Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air, June 2015*, an attenuation factor of 0.03 was applied to the indoor air standards.

5.0 FINDINGS

5.1 Subsurface Conditions

The subsurface profile may be generalized as sporadic surficial fill followed by native deposits of sand and then shale. Soil boring logs are included in **Appendix B**.

Fill materials typically consisted of approximately up to 1.75-feet of silty/clayey sand with brick fragments. Native soils consist of fine to silty sand to depths of 13 feet bgs at which weathered shale bedrock was encountered. Groundwater encounter was apparent during drilling at depths ranging from 10 to 13 feet bgs. Static depth to groundwater were measured at depths of approximately 9 feet bgs.

6.0 RESULTS OF ANALYTICAL TESTING

The results of the analytical testing are presented in **Tables 1, 2 and 3**. The laboratory analytical reports are included in **Appendix B**.

6.1 Soil Analytical Results

VOCs: Results of analytical testing indicate that seven (7) VOC analytes were detected in the soil samples at concentrations above laboratory method detection limits (MDLs). All detected VOC concentrations were below the respective GDCS cited for comparison.

PAHs: Results of analytical testing indicate that 18 PAH analytes were detected in the soil samples at concentrations above laboratory MDLs. All detected PAH concentrations were below the respective GDCS cited for comparison.

6.2 Groundwater Analytical Results

VOCs: Results of analytical testing indicate that five (5) VOC analytes were detected in the groundwater samples at concentrations above laboratory MDLs. With the exception TCE, all detected VOC concentrations were below the VISL Target Groundwater Concentrations for residential land use.

The concentration of TCE in MW-100 (0.401 mg/l) exceeds the VISL standard of 0.01 mg/l. MW-100 is located near the southern Property corner in proximity to the known off-Property soil gas exceedance.

6.3 Sub-Slab Vapor Analytical Results

VOCs: Results of analytical testing indicate that 11 VOC analytes were detected in the sub-slab vapor samples at concentrations above laboratory MDLs. With the exception TCE, all detected VOC concentrations were below the Ohio VAP Generic Indoor Air Standards due to Vapor Intrusion (Residential Use Category) with the applied attenuation factor of 0.03.

The concentration of TCE in SSV-01 (675 ug/m^3) and SSV-01 Duplicate (1,220 ug/m^3) exceeds the applicable standard of 70 ug/m^3. SSV-01 is located in the southern portion of the building.

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7.0 LIMITATIONS

The analytical results and conclusions presented in this report are based on the completion of two (2) soil borings, two (2) monitoring wells, three (3) sub-slab vapor points and limited analytical testing. Although the results presented above provide a reasonable indication of conditions in the areas evaluated, they may not be indicative of conditions in areas of the Property not evaluated by Partners.

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Limited Phase II Investigation activities and information contained in this report, Partners presents the following summary and conclusions regarding the Property.

Subsurface Profile

The subsurface profile may be generalized as silty sand soils overlying shale bedrock. Groundwater is present at a depth of about 9 feet bgs at the Property.

Soil Testing

Based on the results of analytical testing, soils have not been impacted by VOCs or PAHs at concentrations exceeding the GDCS for the Residential Land Use or Construction/Excavation Activities.

Groundwater Testing

Based on the results of analytical testing, the concentration of TCE in the groundwater at MW-100 exceeds the respective VISL value for residential use. MW-100 is located at the southern Property corner near the known off-Property soil gas and groundwater exceedances.

Sub-Slab Vapor Testing

Based on the results of analytical testing, the concentrations of TCE in the sub-slab vapor at SSV-01, in the southern portion of the building, exceeds applicable standards for residential use.

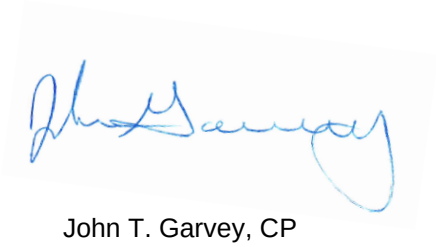
Recommendations

The presence of TCE in the groundwater and sub-slab vapor on the Property represents a vapor intrusion risk to potential on-Property residential receptors. Depending on future development plans for the Property, mitigation of the vapor intrusion risk may be necessary through the installation of a vapor barrier or sub-slab depressurization system.

9.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (800) 763-1363 if you have any questions or if we can be of any further assistance.

Sincerely,
Partners



Valerie Weir, CPG
Senior Hydrogeologist/Project Manager

John T. Garvey, CP
Vice President

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FIGURES

Figure 1: Property Location Map

11/30/2021, 9:34:30 AM

1:4,514

0 0.03 0.06 0.11 mi

0 0.04 0.09 0.18 km

Property Location

PARTNERS

Cuyahoga County, Province of Ontario, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

USGS
2021 USGS

Figure 2: Property and Surrounding Use

Date Created: 11/30/2021

Legend

1: 600

PARTNERS

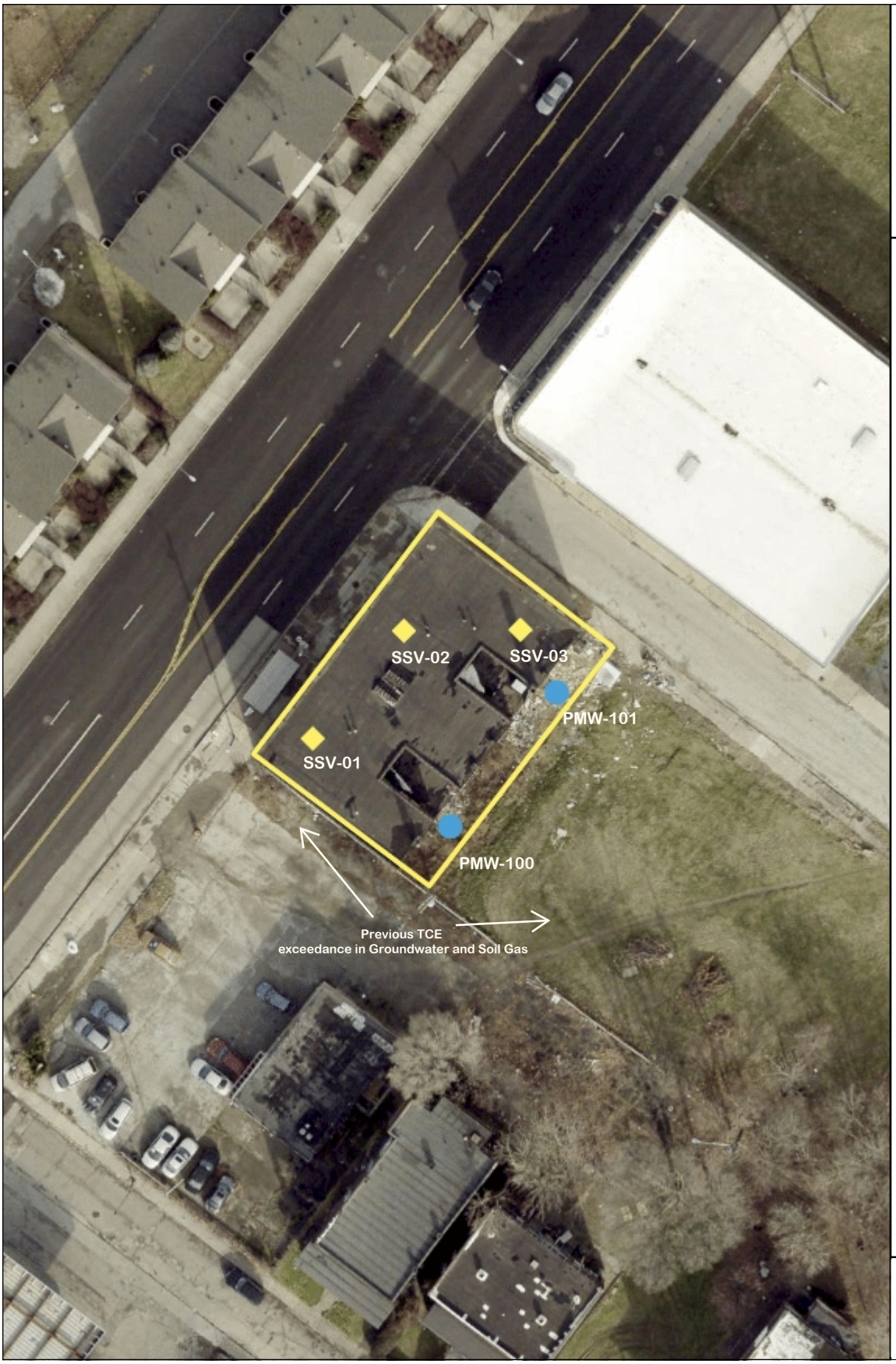
100 0 50 100 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Figure 3: Sample Location Map



Date Created: 11/30/2021

Legend

1: 600

PARTNERS

100 0 50 100 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Figure 4: Parcels and Addresses of Site and Surrounding Areas

Date Created: 1/28/2022

Legend

- Municipalities
- Right Of Way
- Platted Centerline
- Parcel

1: 600

100 0 50 100 Feet

Projection:
WGS_1984_Web_Mercator_Auxiliary_Sphere

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

TABLES

Table 1
Results of Soil Analysis
Vacant Commercial Building
12524 Euclid Avenue, Cleveland, Ohio

Sample ID (Depth[1])		*VAP Standards*		PMW-100 (8-10FT)	PMW-100 (8-10FT) D	PMW-101 (0-2FT)
Date Collected		*Residential Land Use [3]*	*Construction & Excavation Activities [4]*	12/13/2021	12/13/2021	12/13/2021
Analyte	Units [2]			Result	Duplicate	Result
Volatile Organic Compounds - VOCs						
ACETONE	mg/kg	*110,000*	*110,000*	<0.0721	<0.0739	<0.0623
ACRYLONITRILE	mg/kg	*6.1*	*62*	<0.0180	<0.0185	<0.0156
BENZENE	mg/kg	*28*	*1,200*	<0.00144	<0.00148	**0.00378**
BROMOBENZENE	mg/kg	*NE*	*NE*	<0.0180	<0.0185	<0.0156
BROMODICHLOROMETHANE	mg/kg	*7.3*	*300*	<0.00360	<0.00369	<0.00312
BROMOFORM	mg/kg	*460*	*910*	<0.0360	<0.0369	<0.0312
BROMOMETHANE	mg/kg	*17*	*550*	<0.0180	<0.0185	<0.0156
N-BUTYLBENZENE	mg/kg	*110*	*110*	<0.0180	<0.0185	<0.0156
SEC-BUTYLBENZENE	mg/kg	*140*	*140*	<0.0180	<0.0185	<0.0156
TERT-BUTYLBENZENE	mg/kg	*180*	*180*	<0.00721	<0.00739	<0.00623
CARBON TETRACHLORIDE	mg/kg	*16*	*460*	<0.00721	<0.00739	<0.00623
CHLOROBENZENE	mg/kg	*660*	*760*	<0.00360	<0.00369	<0.00312
CHLORODIBROMOMETHANE	mg/kg	*130*	*800*	<0.00360	<0.00369	<0.00312
CHLOROETHANE	mg/kg	*2,100*	*2,100*	<0.00721	<0.00739	<0.00623
CHLOROFORM	mg/kg	*7.9*	*320*	<0.00360	<0.00369	<0.00312
CHLOROMETHANE	mg/kg	*280*	*1,300*	<0.0180	<0.0185	<0.0156
2-CHLOROTOLUENE	mg/kg	*NE*	*NE*	<0.00360	<0.00369	<0.00312
4-CHLOROTOLUENE	mg/kg	*NE*	*NE*	<0.00721	<0.00739	<0.00623
1,2-DIBROMO-3-CHLOROPROPANE	mg/kg	*0.37*	*15*	<0.0360	<0.0369	<0.0312
1,2-DIBROMOETHANE	mg/kg	*0.89*	*39*	<0.00360	<0.00369	<0.00312
DIBROMOMETHANE	mg/kg	*59*	*870*	<0.00721	<0.00739	<0.00623
1,2-DICHLOROBENZENE	mg/kg	*380*	*380*	<0.00721	<0.00739	<0.00623
1,3-DICHLOROBENZENE	mg/kg	*NE*	*NE*	<0.00721	<0.00739	<0.00623
1,4-DICHLOROBENZENE	mg/kg	*65*	*2,600*	<0.00721	<0.00739	<0.00623
DICHLORODIFLUOROMETHANE	mg/kg	*850*	*850*	<0.00360	<0.00369	<0.00312
1,1-DICHLOROETHANE	mg/kg	*89*	*1,700*	<0.00360	<0.00369	<0.00312
1,2-DICHLOROETHANE	mg/kg	*11*	*480*	<0.00360	<0.00369	<0.00312
1,1-DICHLOROETHENE	mg/kg	*360*	*360*	<0.00360	<0.00369	<0.00312
CIS-1,2-DICHLOROETHENE	mg/kg	*310*	*2,400*	<0.00360	<0.00369	<0.00312
TRANS-1,2-DICHLOROETHENE	mg/kg	*1,900*	*1,900*	<0.00721	<0.00739	<0.00623
1,2-DICHLOROPROPANE	mg/kg	*39*	*180*	<0.00721	<0.00739	<0.00623
1,1-DICHLOROPROPENE	mg/kg	*NE*	*NE*	<0.00360	<0.00369	<0.00312
1,3-DICHLOROPROPANE	mg/kg	*1,500*	*1,500*	<0.00721	<0.00739	<0.00623
CIS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	<0.00360	<0.00369	<0.00312
TRANS-1,3-DICHLOROPROPENE	mg/kg	*NE*	*NE*	<0.00721	<0.00739	<0.00623
2,2-DICHLOROPROPANE	mg/kg	*NE*	*NE*	<0.00360	<0.00369	<0.00312
ETHYLBENZENE	mg/kg	*140*	*480*	<0.00360	<0.00369	<0.00312
HEXACHLORO-1,3-BUTADIENE	mg/kg	*17*	*17*	<0.0360	<0.0369	<0.0312
N-HEXANE	mg/kg	*140*	*140*	<0.00721	<0.00739	<0.00623
ISOPROPYLBENZENE	mg/kg	*270*	*270*	<0.00360	<0.00369	<0.00312
P-ISOPROPYLTOLUENE	mg/kg	*160*	*160*	<0.00721	<0.00739	**0.0108**
2-BUTANONE (MEK)	mg/kg	*28,000*	*28,000*	<0.144	<0.148	<0.125
METHYLENE CHLORIDE	mg/kg	*740*	*3,300*	<0.0360	<0.0369	<0.0312
4-METHYL-2-PENTANONE (MIBK)	mg/kg	*3,400*	*3,400*	<0.0360	<0.0369	<0.0312
METHYL TERT-BUTYL ETHER	mg/kg	*1,100*	*8,900*	<0.00144	<0.00148	<0.00125
NAPHTHALENE	mg/kg	*96*	*560*	<0.0180	<0.0185	**0.049**
N-PROPYLBENZENE	mg/kg	*260*	*260*	<0.00721	<0.00739	<0.00623
STYRENE	mg/kg	*870*	*870*	<0.0180	<0.0185	<0.0156
1,1,1,2-TETRACHLOROETHANE	mg/kg	*49*	*680*	<0.00360	<0.00369	<0.00312
1,1,2,2-TETRACHLOROETHANE	mg/kg	*15*	*670*	<0.00360	<0.00369	<0.00312
TETRACHLOROETHENE	mg/kg	*170*	*170*	<0.00360	<0.00369	<0.00312
TOLUENE	mg/kg	*820*	*820*	<0.00721	<0.00739	**0.00613**
1,2,3-TRICHLOROBENZENE	mg/kg	*NE*	*NE*	<0.0180	<0.0185	<0.0156
1,2,4-TRICHLOROBENZENE	mg/kg	*140*	*400*	<0.0180	<0.0185	<0.0156

Table 1
Results of Soil Analysis
Vacant Commercial Building
12524 Euclid Avenue, Cleveland, Ohio

Sample ID (Depth[1])		***VAP Standards***		**PMW-100 (8-10FT)**	**PMW-100 (8-10FT) D**	**PMW-101 (0-2FT)**
Date Collected		***Residential Land Use*** [3]	***Construction & Excavation Activities*** [4]	12/13/2021	12/13/2021	12/13/2021
Analyte	**Units** [2]			Result	Duplicate	Result
1,1,1-TRICHLOROETHANE	mg/kg	*640*	*640*	<0.00360	<0.00369	<0.00312
1,1,2-TRICHLOROETHANE	mg/kg	*28*	*1,200*	<0.00360	<0.00369	<0.00312
TRICHLOROETHENE	mg/kg	*10*	*17*	**0.0186**	**0.0523**	**0.00253**
TRICHLOROFLUOROMETHANE	mg/kg	*1,200*	*1,200*	<0.00360	<0.00369	<0.00312
1,2,3-TRICHLOROPROPANE	mg/kg	*0.1*	*19*	<0.0180	<0.0185	<0.0156
1,2,4-TRIMETHYLBENZENE	mg/kg	*220*	*220*	<0.00721	<0.00739	**0.00592**
1,3,5-TRIMETHYLBENZENE	mg/kg	*180*	*180*	<0.00721	<0.00739	<0.00623
VINYL CHLORIDE	mg/kg	*1.3*	*280*	<0.00360	<0.00369	<0.00312
XYLENES, TOTAL	mg/kg	*260*	*260*	<0.00937	<0.00960	**0.00875**
Polynuclear Aromatic Hydrocarbons-PAHs						
ANTHRACENE	mg/kg	*36,000*	*1,000,000*	<0.00717	<0.00723	**0.0422**
ACENAPHTHENE	mg/kg	*7,200*	*290,000*	<0.00717	<0.00723	**0.0133**
ACENAPHTHYLENE	mg/kg	*7,200*	*290,000*	<0.00717	<0.00723	**0.0117**
BENZO(A)ANTHRACENE	mg/kg	*23*	*9,600*	<0.00717	<0.00723	**0.2**
BENZO(A)PYRENE	mg/kg	*2.3*	*230*	<0.00717	<0.00723	**0.2**
BENZO(B)FLUORANTHENE	mg/kg	*23*	*10,000*	<0.00717	<0.00723	**0.257**
BENZO(G,H,I)PERYLENE	mg/kg	*3,600*	*430,000*	<0.00717	<0.00723	**0.137**
BENZO(K)FLUORANTHENE	mg/kg	*230*	*100,000*	<0.00717	<0.00723	**0.0907**
CHRYSENE	mg/kg	*2,300*	*1,000,000*	<0.00717	<0.00723	**0.196**
DIBENZ(A,H)ANTHRACENE	mg/kg	*2.3*	*1,000*	<0.00717	<0.00723	**0.0276**
FLUORANTHENE	mg/kg	*4,800*	*170,000*	<0.00717	<0.00723	**0.366**
FLUORENE	mg/kg	*4,800*	*580,000*	<0.00717	<0.00723	**0.0102**
INDENO(1,2,3-CD)PYRENE	mg/kg	*23*	*10,000*	<0.00717	<0.00723	**0.161**
NAPHTHALENE	mg/kg	*96*	*560*	<0.0239	<0.0241	**0.00796**
PHENANTHRENE	mg/kg	*36,000*	*1,000,000*	<0.00717	<0.00723	**0.181**
PYRENE	mg/kg	*3,600*	*430,000*	**0.0024**	<0.00723	**0.344**
1-METHYLNAPHTHALENE	mg/kg	*350*	*390*	<0.0239	<0.0241	**0.0117**
2-METHYLNAPHTHALENE	mg/kg	*480*	*5,800*	<0.0239	<0.0241	**0.0167**
2-CHLORONAPHTHALENE	mg/kg	*13,000*	*1,000,000*	<0.0239	<0.0241	<0.0222

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Residential Land Use.
4. Ohio VAP GDCS Construction/Excavation Activities.

Bold numbers indicate a concentration above laboratory detection limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

Table 2
Results of Groundwater Analysis
Vacant Commercial Building
12524 Euclid Avenue, Cleveland, Ohio

Sample ID		*USEPA VISL Residential Use*	PMW-100	PMW-101	PMW-101
Date Collected			01/05/2022	01/05/2022	01/05/2022
Analyte	**Units**		Result	Result	Duplicate
ACETONE	mg/l	*40,200*	<0.0500	<0.0500	<0.0500
ACROLEIN	mg/l	*0.007*	<0.0500	<0.0500	<0.0500
ACRYLONITRILE	mg/l	*0.144*	<0.0100	<0.0100	<0.0100
BENZENE	mg/l	*0.03*	<0.00100	<0.00100	<0.00100
BROMOBENZENE	mg/l	*1.68*	<0.00100	<0.00100	<0.00100
BROMODICHLOROMETHANE	mg/l	*0.017*	<0.00100	<0.00100	<0.00100
BROMOFORM	mg/l	*2.77*	<0.00100	<0.00100	<0.00100
BROMOMETHANE	mg/l	*0.027*	<0.00500	<0.00500	<0.00500
N-BUTYLBENZENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
SEC-BUTYLBENZENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
TERT-BUTYLBENZENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
CARBON TETRACHLORIDE	mg/l	*0.008*	<0.00100	<0.00100	<0.00100
CHLOROBENZENE	mg/l	*0.883*	<0.00100	<0.00100	<0.00100
CHLORODIBROMOMETHANE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
CHLOROETHANE	mg/l	*NIT*	<0.00500	<0.00500	<0.00500
CHLOROFORM	mg/l	*0.015*	<0.00500	<0.00500	<0.00500
CHLOROMETHANE	mg/l	*0.368*	<0.00250	<0.00250	<0.00250
2-CHLOROTOLUENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
4-CHLOROTOLUENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
1,2-DIBROMO-3-CHLOROPROPANE	mg/l	*0.001*	<0.00500	<0.00500	<0.00500
1,2-DIBROMOETHANE	mg/l	*0.004*	<0.00100	<0.00100	<0.00100
DIBROMOMETHANE	mg/l	*0.244*	<0.00100	<0.00100	<0.00100
1,2-DICHLOROBENZENE	mg/l	*6.54*	<0.00100	<0.00100	<0.00100
1,3-DICHLOROBENZENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
1,4-DICHLOROBENZENE	mg/l	*0.064*	<0.00100	<0.00100	<0.00100
DICHLORODIFLUOROMETHANE	mg/l	*0.01*	<0.00500	<0.00500	<0.00500
1,1-DICHLOROETHANE	mg/l	*0.135*	<0.00100	<0.00100	<0.00100
1,2-DICHLOROETHANE	mg/l	*0.043*	<0.00100	<0.00100	<0.00100
1,1-DICHLOROETHENE	mg/l	*0.32*	**0.000652**	<0.00100	<0.00100
CIS-1,2-DICHLOROETHENE	mg/l	*NIT*	**0.00795**	<0.00100	<0.00100
TRANS-1,2-DICHLOROETHENE	mg/l	*0.191*	**0.000655**	<0.00100	<0.00100
1,2-DICHLOROPROPANE	mg/l	*0.071*	<0.00100	<0.00100	<0.00100
1,1-DICHLOROPROPENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
1,3-DICHLOROPROPANE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
CIS-1,3-DICHLOROPROPENE	mg/l	*0.1*	<0.00100	<0.00100	<0.00100
TRANS-1,3-DICHLOROPROPENE	mg/l	*0.1*	<0.00100	<0.00100	<0.00100
2,2-DICHLOROPROPANE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
ETHYLBENZENE	mg/l	*0.077*	<0.00100	<0.00100	<0.00100
HEXACHLORO-1,3-BUTADIENE	mg/l	*0.008*	<0.00100	<0.00100	<0.00100
N-HEXANE	mg/l	*0.018*	<0.0100	<0.0100	<0.0100
ISOPROPYLBENZENE	mg/l	*2.42*	<0.00100	<0.00100	<0.00100
P-ISOPROPYLTOLUENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
2-BUTANONE (MEK)	mg/l	*4,300*	<0.0100	<0.0100	<0.0100
METHYLENE CHLORIDE	mg/l	*8.1*	<0.00500	<0.00500	<0.00500
4-METHYL-2-PENTANONE (MIBK)	mg/l	*1,190*	<0.0100	<0.0100	<0.0100
METHYL TERT-BUTYL ETHER	mg/l	*7.86*	<0.00100	<0.00100	<0.00100
NAPHTHALENE	mg/l	*0.127*	<0.00500	<0.00500	<0.00500
N-PROPYLBENZENE	mg/l	*5.9*	<0.00100	<0.00100	<0.00100
STYRENE	mg/l	*22.2*	<0.00100	<0.00100	<0.00100
1,1,1,2-TETRACHLOROETHANE	mg/l	*0.092*	<0.00100	<0.00100	<0.00100
1,1,2,2-TETRACHLOROETHANE	mg/l	*0.075*	<0.00100	<0.00100	<0.00100
TETRACHLOROETHENE	mg/l	*0.122*	<0.00100	<0.00100	<0.00100
TOLUENE	mg/l	*39.2*	<0.00100	<0.00100	<0.00100
1,2,3-TRICHLOROBENZENE	mg/l	*NIT*	<0.00100	<0.00100	<0.00100
1,2,4-TRICHLOROBENZENE	mg/l	*0.103*	<0.00100	<0.00100	<0.00100
1,1,1-TRICHLOROETHANE	mg/l	*0.0773*	<0.00100	<0.00100	<0.00100
1,1,2-TRICHLOROETHANE	mg/l	*0.013*	<0.00100	<0.00100	<0.00100
TRICHLOROETHENE	mg/l	*0.010*	**0.401**	<0.00100	<0.00100
TRICHLOROFLUOROMETHANE	mg/l	*NIT*	<0.00500	<0.00500	<0.00500
1,2,3-TRICHLOROPROPANE	mg/l	*0.052*	<0.00250	<0.00250	<0.00250
1,2,4-TRIMETHYLBENZENE	mg/l	*0.626*	<0.00100	<0.00100	<0.00100
1,3,5-TRIMETHYLBENZENE	mg/l	*0.439*	<0.00100	<0.00100	<0.00100
VINYL CHLORIDE	mg/l	*0.002*	**0.00053**	<0.00100	<0.00100
XYLENES, TOTAL	mg/l	*0.856*	<0.00300	<0.00300	<0.00300

Notes

mg/l = Milligrams per liter - parts per million (ppm).

USEPA VISL Target Groundwater Concentration for Commercial Use.

NE: No standard established by Ohio EPA; **NSV**: Not sufficiently volatile; **NIT**: No inhalation toxicity.

Bold numbers indicate a concentration above laboratory detection limits.

Bold and shaded numbers indicate a concentration above a comparison standard.

Table 3
Results of Sub-Slab Vapor Analysis
Vacant Commercial Building
12524 Euclid Avenue, Cleveland, Ohio

Sample ID		***Indoor Air Standards - Residential Land Use*** [1]	**SSV-01**	**SSV-01**	**SSV-02**	**SSV-03**	**BG-01**
Collection Date			01/05/2022	01/05/2022	01/05/2022	01/05/2022	01/05/2022
Parameter	**Units**	***AF = 0.03***	Result	Duplicate	Result	Result	Result
ACETONE	ug/m3	*1,066,667*	**2.99**	<2.97	<2.97	**5.28**	**5.58**
ALLYL CHLORIDE	ug/m3	*33*	<0.626	<0.626	<0.626	<0.626	<0.626
BENZENE	ug/m3	*120*	<0.639	<0.639	<0.639	<0.639	**1.82**
BENZYL CHLORIDE	ug/m3	*19*	<1.04	<1.04	<1.04	<1.04	<1.04
BROMODICHLOROMETHANE	ug/m3	*25*	<1.34	<1.34	<1.34	<1.34	<1.34
BROMOFORM	ug/m3	*867*	<6.21	<6.21	<6.21	<6.21	<6.21
BROMOMETHANE	ug/m3	*173*	<0.776	<0.776	<0.776	<0.776	<0.776
CARBON DISULFIDE	ug/m3	*24,333*	<0.622	<0.622	<0.622	<0.622	<0.622
CARBON TETRACHLORIDE	ug/m3	*160.0*	<1.26	<1.26	<1.26	<1.26	<1.26
CHLOROBENZENE	ug/m3	*1,733*	<0.924	<0.924	<0.924	<0.924	<0.924
CHLOROETHANE	ug/m3	*333,333*	<0.528	<0.528	<0.528	<0.528	<0.528
CHLOROFORM	ug/m3	*41*	**1.32**	**2.06**	<0.973	<0.973	<0.973
CHLOROMETHANE	ug/m3	*3,133*	**0.483**	<0.413	<0.413	<0.413	**0.981**
CHLORODIBROMOMETHANE	ug/m3	*NE*	<1.70	<1.70	<1.70	<1.70	<1.70
1,2-DIBROMOETHANE	ug/m3	*1.57*	<1.54	<1.54	<1.54	<1.54	<1.54
1,2-DICHLOROBENZENE	ug/m3	*7,000*	<1.20	<1.20	<1.20	<1.20	<1.20
1,3-DICHLOROBENZENE	ug/m3	*NE*	<1.20	<1.20	<1.20	<1.20	<1.20
1,4-DICHLOROBENZENE	ug/m3	*86.7*	<1.20	<1.20	<1.20	<1.20	<1.20
1,2-DICHLOROETHANE	ug/m3	*36*	<0.810	<0.810	<0.810	<0.810	<0.810
1,1-DICHLOROETHANE	ug/m3	*600*	<0.802	<0.802	<0.802	<0.802	<0.802
1,1-DICHLOROETHENE	ug/m3	*7,000*	<0.793	<0.793	<0.793	<0.793	<0.793
CIS-1,2-DICHLOROETHENE	ug/m3	*NE*	**46**	**74.1**	<0.793	<0.793	<0.793
TRANS-1,2-DICHLOROETHENE	ug/m3	*NE*	**1.16**	**1.87**	<0.793	<0.793	<0.793
1,2-DICHLOROPROPANE	ug/m3	*140*	<0.924	<0.924	<0.924	<0.924	<0.924
CIS-1,3-DICHLOROPROPENE	ug/m3	*NE*	<0.908	<0.908	<0.908	<0.908	<0.908
TRANS-1,3-DICHLOROPROPENE	ug/m3	*NE*	<0.908	<0.908	<0.908	<0.908	<0.908
1,4-DIOXANE	ug/m3	*186*	<0.721	<0.721	<0.721	<0.721	<0.721
ETHANOL	ug/m3	*NE*	**10.4**	**6.26**	**4.32**	**23.9**	**4.2**
ETHYL ACETATE	ug/m3	*2,433*	<0.720	<0.720	<0.720	<0.720	<0.720
ETHYLBENZENE	ug/m3	*366*	<0.867	<0.867	<0.867	<0.867	<0.867
TRICHLOROFLUOROMETHANE	ug/m3	*NE*	**1.51**	**1.37**	**1.23**	**1.38**	**1.31**
DICHLORODIFLUOROMETHANE	ug/m3	*NE*	**2.37**	**2.36**	**2.44**	**2.26**	**2.4**
HEXACHLORO-1,3-BUTADIENE	ug/m3	*43.3*	<6.73	<6.73	<6.73	<6.73	<6.73
N-HEXANE	ug/m3	*24,333*	<2.22	<2.22	<2.22	<2.22	<2.22
ISOPROPYLBENZENE	ug/m3	*14,000*	<0.983	<0.983	<0.983	<0.983	<0.983
METHYLENE CHLORIDE	ug/m3	*21,000*	<0.694	<0.694	<0.694	<0.694	<0.694
METHYL BUTYL KETONE	ug/m3	*NE*	<5.11	<5.11	<5.11	<5.11	<5.11
2-BUTANONE (MEK)	ug/m3	*173,333*	<3.69	<3.69	<3.69	<3.69	<3.69
4-METHYL-2-PENTANONE (MIBK)	ug/m3	*103,333*	<5.12	<5.12	<5.12	<5.12	<5.12
METHYL METHACRYLATE	ug/m3	*24,333*	<0.819	<0.819	<0.819	<0.819	<0.819
METHYL TERT-BUTYL ETHER	ug/m3	*3,666*	<0.721	<0.721	<0.721	<0.721	<0.721
NAPHTHALENE	ug/m3	*28.0*	<3.30	<3.30	<3.30	<3.30	<3.30
STYRENE	ug/m3	*33,333*	<0.851	<0.851	<0.851	<0.851	<0.851
1,1,2,2-TETRACHLOROETHANE	ug/m3	*16*	<1.37	<1.37	<1.37	<1.37	<1.37
TETRACHLOROETHENE	ug/m3	*1,400*	**3.68**	**5.61**	<1.36	**3.38**	<1.36
TOLUENE	ug/m3	*173,333*	<1.88	<1.88	<1.88	**3.68**	<1.88
1,2,4-TRICHLOROBENZENE	ug/m3	*70*	<4.66	<4.66	<4.66	<4.66	<4.66
1,1,1-TRICHLOROETHANE	ug/m3	*173,333*	<1.09	<1.09	<1.09	<1.09	<1.09
1,1,2-TRICHLOROETHANE	ug/m3	*60*	<1.09	<1.09	<1.09	<1.09	<1.09
TRICHLOROETHENE	ug/m3	*70*	**675**	**1220**	<1.07	<1.07	<1.07
VINYL ACETATE	ug/m3	*7,000*	<0.704	<0.704	<0.704	<0.704	<0.704
VINYL CHLORIDE	ug/m3	*56*	<0.511	<0.511	<0.511	<0.511	<0.511
M&P-XYLENE	ug/m3	*3,333*	<1.73	<1.73	<1.73	<1.73	<1.73
O-XYLENE	ug/m3	*3,333*	<0.867	<0.867	<0.867	<0.867	<0.867
1,2,4-TRIMETHYLBENZENE	ug/m3	*2,100*	<0.982	<0.982	<0.982	<0.982	<0.982
1,3,5-TRIMETHYLBENZENE	ug/m3	*2,100*	<0.982	<0.982	<0.982	<0.982	<0.982

Notes

µg/m3 = micrograms per cubic meter.

1. Ohio VAP Generic Indoor Air Standards due to Vapor Intrusion (Residential Land Use Category) with applied Attenuation Factor of 0.03

NE: No established regulatory limits

Bolded numbers = concentration above detection limits.

Bold and shaded = concentration above a comparison standard.

APPENDIX A
SOIL BORING AND MONITORING WELL LOGS

PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE / TEMPORARY WELL CONSTRUCTION LOG

PMW-100

Client:	CCLRC-12524 Euclid Avenue	Location:	See site map
Date Drilled:	12/13/2021	Total Depth:	15 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	10 ft bgs (encounter) / 9.2 ft bgs (completion)
Driller:	Ryan Lopez	Backfill Material:	Monitoring Well
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
2.0	0-2'	NA	30%	0.4		FILL: Dark brown silty fine SAND with trace brick fragments, moist, no odors or staining.		Bentonite		2-inch PVC well riser
4.0	2-4'	NA	30%	0.2			SP			
6.0	4-6'	NA	80%	0.3				Sand filter pack		
8.0	6-8'	NA	80%	0.4		Brown fine SAND with trace silt, with some medium sand from 8-12 feet, very loose 10-11 feet, fine to coarse sand at 13.2 feet, wet at 10 feet, no odors or staining.				2-inch PVC well screen
10.0	**8-10'**	**NA**	**90%**	**0.4**						
12.0	10-12'	NA	90%	0.5						
14.0	12-14'	NA	80%	21.1						
						Weathered gray SHALE, moist, no odors or staining.				
16.0						Direct Push sampling terminated at 14 feet bgs due to refusal. 2-inch diameter PVC well with a 10-foot screen set at a depth of approximately 15 feet bgs with expendable point tooling. Bold and shaded sample interval submitted for analysis.				
18.0										
20.0										
22.0										
24.0										

LEGEND

- Clay/Silty Clay
- Coarse Sand
- Medium Sand
- Silt
- Silty Sand
- Fine Sand
- Sandy Clay
- Backfill

N/A = Not applicable

▼ Static Water Level

▽ Initial Water Level

PARTNERS ENVIRONMENTAL CONSULTING, INC.

SOIL BOREHOLE / TEMPORARY WELL CONSTRUCTION LOG

PMW-101

Client:	CCLRC-12524 Euclid Avenue	Location:	See site map
Date Drilled:	12/13/2021	Total Depth:	15 feet
Drilling Method:	Direct Push	Casing Elevation:	Not Applicable
Drilling Company:	EnviroCore	Top of Water:	NA (encounter) / 9 ft bgs (completion)
Driller:	Ryan Lopez	Backfill Material:	Monitoring Well
Geologist:	Tom Weir		

Depth	Sample Type & Identification	SPT Blows Per 0.5 feet	Recovery (%)	PID/FID Readings	Profile	Geologic Description	USCS Soil Classification	Annular Materials	Profile	Well Materials
	0-2'	**NA**	**40%**	**0.1**		FILL: Brown clayey fine SAND with brick fragments, moist, no odors or staining.		Bentonite		2-inch PVC well riser
2.0										
	2-4'	NA	40%	0.1						
4.0										
	4-6'	NA	90%	0.0				Sand filter pack		2-inch PVC well screen
6.0										
	6-8'	NA	90%	0.0		Brown fine SAND with varying amounts of silt, moist to very moist, no odors or staining.	SP			
8.0										
	8-10'	NA	90%	0.2					▼	
10.0										
	10-12'	NA	90%	0.1						
12.0										
	12-14'	NA	40%	0.0						
						Weathered gray SHALE, moist, no odors or staining.				
14.0										
						Direct Push sampling terminated at 13.5 feet bgs due to refusal.				
16.0						2-inch diameter PVC well with a 10-foot screen set at a depth of approximately 15 feet bgs with expendable point tooling.				
						Bold and shaded sample interval submitted for analysis.				
18.0										
20.0										
22.0										
24.0										

LEGEND

- Clay/Silty Clay
- Coarse Sand
- Medium Sand
- Silt
- Silty Sand
- Fine Sand
- Sandy Clay
- Backfill

N/A = Not applicable

▼ Static Water Level

▽ Initial Water Level

APPENDIX B
LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

December 28, 2021

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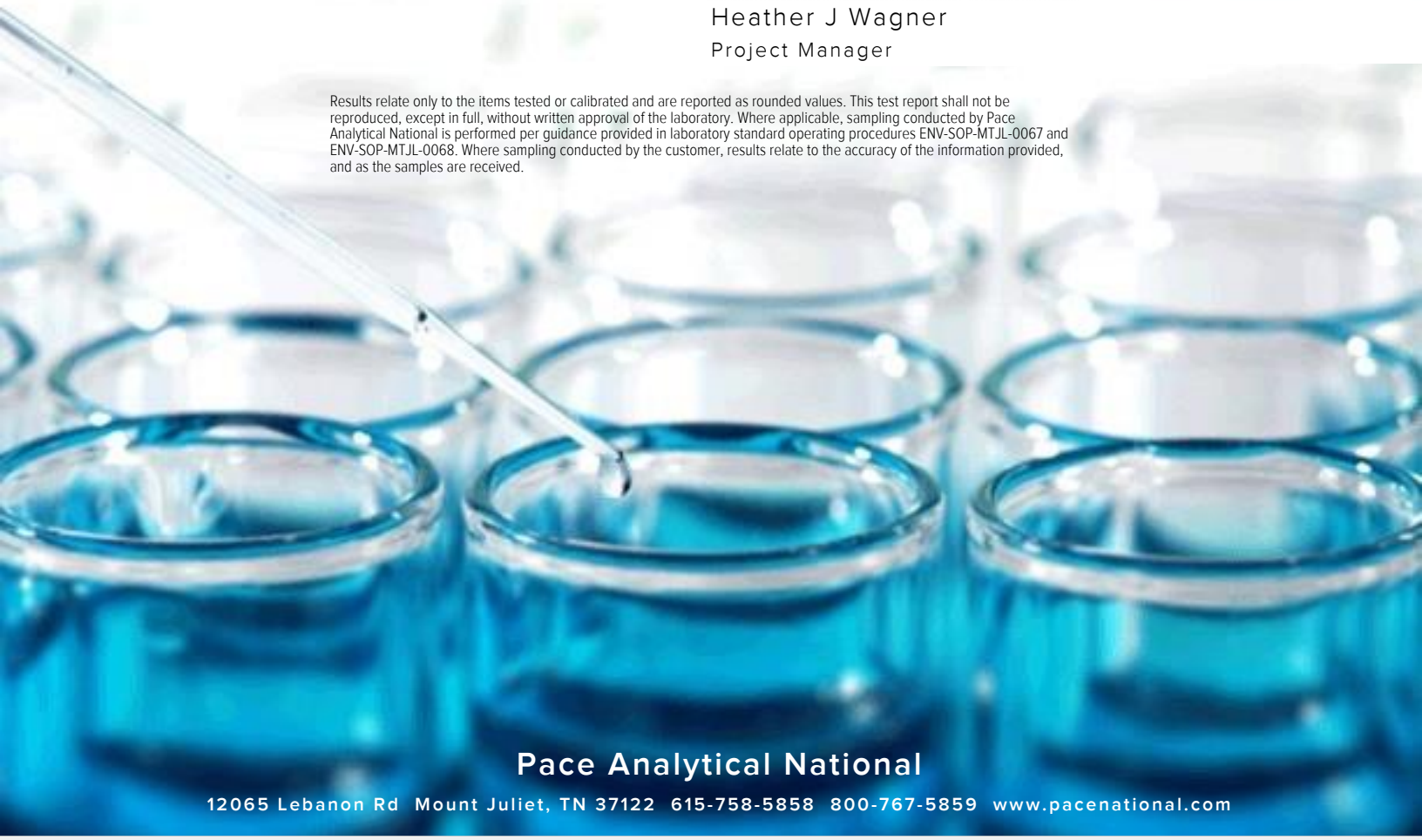
Partners Environmental Consulting

Sample Delivery Group:	L1441693
Samples Received:	12/14/2021
Project Number:	896.119
Description:	CCLRC-12524 Evclid Avenue
Report To:	Valerie Weir 31100 Solon Road, Ste. G Solon, OH 44139

Entire Report Reviewed By:

Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National

12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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PMW-10D (8-10FT) L1441693-01 Solid

Collected by: Tom Weir | Collected date/time: 12/13/21 09:45 | Received date/time: 12/14/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1789822	1	12/17/21 09:21	12/17/21 09:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1790756	1	12/13/21 09:45	12/16/21 19:48	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1794261	1	12/24/21 02:57	12/24/21 09:01	ADF	Mt. Juliet, TN

PMW-10D (8-10FT) DUPLICATE L1441693-02 Solid

Collected by: Tom Weir | Collected date/time: 12/13/21 09:45 | Received date/time: 12/14/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1789822	1	12/17/21 09:21	12/17/21 09:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1790756	1	12/13/21 09:45	12/16/21 20:08	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1794261	1	12/24/21 02:57	12/24/21 09:19	ADF	Mt. Juliet, TN

PMW-101 (0-2FT) L1441693-03 Solid

Collected by: Tom Weir | Collected date/time: 12/13/21 10:20 | Received date/time: 12/14/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1789822	1	12/17/21 09:21	12/17/21 09:38	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1790756	1	12/13/21 10:20	12/16/21 20:28	DWR	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1794261	1	12/24/21 02:57	12/24/21 14:39	ADF	Mt. Juliet, TN

EQP-01 L1441693-04 GW

Collected by: Tom Weir | Collected date/time: 12/13/21 12:00 | Received date/time: 12/14/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789903	1	12/15/21 17:47	12/15/21 17:47	ACG	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1790534	1	12/16/21 16:40	12/16/21 21:05	AGW	Mt. Juliet, TN

TRIP-01 L1441693-05 GW

Collected by: Tom Weir | Collected date/time: 12/13/21 09:00 | Received date/time: 12/14/21 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1789903	1	12/15/21 14:23	12/15/21 14:23	ACG	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Heather J Wagner
Project Manager

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.7		1	12/17/2021 09:38	WG1789822

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0526	0.0721	1	12/16/2021 19:48	WG1790756
Acrylonitrile	U		0.00520	0.0180	1	12/16/2021 19:48	WG1790756
Benzene	U		0.000673	0.00144	1	12/16/2021 19:48	WG1790756
Bromobenzene	U		0.00130	0.0180	1	12/16/2021 19:48	WG1790756
Bromodichloromethane	U		0.00105	0.00360	1	12/16/2021 19:48	WG1790756
Bromoform	U		0.00169	0.0360	1	12/16/2021 19:48	WG1790756
Bromomethane	U		0.00284	0.0180	1	12/16/2021 19:48	WG1790756
n-Butylbenzene	U		0.00757	0.0180	1	12/16/2021 19:48	WG1790756
sec-Butylbenzene	U		0.00415	0.0180	1	12/16/2021 19:48	WG1790756
tert-Butylbenzene	U		0.00281	0.00721	1	12/16/2021 19:48	WG1790756
Carbon tetrachloride	U		0.00129	0.00721	1	12/16/2021 19:48	WG1790756
Chlorobenzene	U		0.000303	0.00360	1	12/16/2021 19:48	WG1790756
Chlorodibromomethane	U		0.000882	0.00360	1	12/16/2021 19:48	WG1790756
Chloroethane	U		0.00245	0.00721	1	12/16/2021 19:48	WG1790756
Chloroform	U		0.00148	0.00360	1	12/16/2021 19:48	WG1790756
Chloromethane	U		0.00627	0.0180	1	12/16/2021 19:48	WG1790756
2-Chlorotoluene	U		0.00125	0.00360	1	12/16/2021 19:48	WG1790756
4-Chlorotoluene	U		0.000649	0.00721	1	12/16/2021 19:48	WG1790756
1,2-Dibromo-3-Chloropropane	U		0.00562	0.0360	1	12/16/2021 19:48	WG1790756
1,2-Dibromoethane	U		0.000934	0.00360	1	12/16/2021 19:48	WG1790756
Dibromomethane	U		0.00108	0.00721	1	12/16/2021 19:48	WG1790756
1,2-Dichlorobenzene	U		0.000613	0.00721	1	12/16/2021 19:48	WG1790756
1,3-Dichlorobenzene	U		0.000865	0.00721	1	12/16/2021 19:48	WG1790756
1,4-Dichlorobenzene	U		0.00101	0.00721	1	12/16/2021 19:48	WG1790756
Dichlorodifluoromethane	U		0.00232	0.00360	1	12/16/2021 19:48	WG1790756
1,1-Dichloroethane	U		0.000708	0.00360	1	12/16/2021 19:48	WG1790756
1,2-Dichloroethane	U		0.000935	0.00360	1	12/16/2021 19:48	WG1790756
1,1-Dichloroethene	U		0.000873	0.00360	1	12/16/2021 19:48	WG1790756
cis-1,2-Dichloroethene	U		0.00106	0.00360	1	12/16/2021 19:48	WG1790756
trans-1,2-Dichloroethene	U		0.00150	0.00721	1	12/16/2021 19:48	WG1790756
1,2-Dichloropropane	U		0.00205	0.00721	1	12/16/2021 19:48	WG1790756
1,1-Dichloropropene	U		0.00117	0.00360	1	12/16/2021 19:48	WG1790756
1,3-Dichloropropane	U		0.000722	0.00721	1	12/16/2021 19:48	WG1790756
cis-1,3-Dichloropropene	U		0.00109	0.00360	1	12/16/2021 19:48	WG1790756
trans-1,3-Dichloropropene	U		0.00164	0.00721	1	12/16/2021 19:48	WG1790756
2,2-Dichloropropane	U		0.00199	0.00360	1	12/16/2021 19:48	WG1790756
Di-isopropyl ether	U		0.000591	0.00144	1	12/16/2021 19:48	WG1790756
Ethylbenzene	U		0.00106	0.00360	1	12/16/2021 19:48	WG1790756
Hexachloro-1,3-butadiene	U		0.00865	0.0360	1	12/16/2021 19:48	WG1790756
n-Hexane	U		0.00326	0.00721	1	12/16/2021 19:48	WG1790756
Isopropylbenzene	U		0.000613	0.00360	1	12/16/2021 19:48	WG1790756
p-Isopropyltoluene	U		0.00368	0.00721	1	12/16/2021 19:48	WG1790756
2-Butanone (MEK)	U		0.0915	0.144	1	12/16/2021 19:48	WG1790756
Methylene Chloride	U		0.00957	0.0360	1	12/16/2021 19:48	WG1790756
4-Methyl-2-pentanone (MIBK)	U		0.00329	0.0360	1	12/16/2021 19:48	WG1790756
Methyl tert-butyl ether	U		0.000504	0.00144	1	12/16/2021 19:48	WG1790756
Naphthalene	U		0.00703	0.0180	1	12/16/2021 19:48	WG1790756
n-Propylbenzene	U		0.00137	0.00721	1	12/16/2021 19:48	WG1790756
Styrene	U		0.000330	0.0180	1	12/16/2021 19:48	WG1790756
1,1,1,2-Tetrachloroethane	U		0.00137	0.00360	1	12/16/2021 19:48	WG1790756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.00100	0.00360	1	12/16/2021 19:48	WG1790756
Tetrachloroethene	U		0.00129	0.00360	1	12/16/2021 19:48	WG1790756
Toluene	U		0.00187	0.00721	1	12/16/2021 19:48	WG1790756
1,2,3-Trichlorobenzene	U		0.0106	0.0180	1	12/16/2021 19:48	WG1790756
1,2,4-Trichlorobenzene	U	J3	0.00634	0.0180	1	12/16/2021 19:48	WG1790756
1,1,1-Trichloroethane	U		0.00133	0.00360	1	12/16/2021 19:48	WG1790756
1,1,2-Trichloroethane	U		0.000861	0.00360	1	12/16/2021 19:48	WG1790756
Trichloroethene	0.0186		0.000842	0.00144	1	12/16/2021 19:48	WG1790756
Trichlorofluoromethane	U		0.00119	0.00360	1	12/16/2021 19:48	WG1790756
1,2,3-Trichloropropane	U		0.00234	0.0180	1	12/16/2021 19:48	WG1790756
1,2,4-Trimethylbenzene	U		0.00228	0.00721	1	12/16/2021 19:48	WG1790756
1,3,5-Trimethylbenzene	U		0.00288	0.00721	1	12/16/2021 19:48	WG1790756
Vinyl chloride	U		0.00167	0.00360	1	12/16/2021 19:48	WG1790756
Xylenes, Total	U		0.00127	0.00937	1	12/16/2021 19:48	WG1790756
(S) Toluene-d8	*109*			*75.0-131*		*12/16/2021 19:48*	WG1790756
(S) 4-Bromofluorobenzene	*94.7*			*67.0-138*		*12/16/2021 19:48*	WG1790756
(S) 1,2-Dichloroethane-d4	*98.8*			*70.0-130*		*12/16/2021 19:48*	WG1790756

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00275	0.00717	1	12/24/2021 09:01	WG1794261
Acenaphthene	U		0.00250	0.00717	1	12/24/2021 09:01	WG1794261
Acenaphthylene	U		0.00258	0.00717	1	12/24/2021 09:01	WG1794261
Benzo(a)anthracene	U		0.00207	0.00717	1	12/24/2021 09:01	WG1794261
Benzo(a)pyrene	U		0.00214	0.00717	1	12/24/2021 09:01	WG1794261
Benzo(b)fluoranthene	U		0.00183	0.00717	1	12/24/2021 09:01	WG1794261
Benzo(g,h,i)perylene	U		0.00211	0.00717	1	12/24/2021 09:01	WG1794261
Benzo(k)fluoranthene	U		0.00257	0.00717	1	12/24/2021 09:01	WG1794261
Chrysene	U		0.00277	0.00717	1	12/24/2021 09:01	WG1794261
Dibenz(a,h)anthracene	U		0.00205	0.00717	1	12/24/2021 09:01	WG1794261
Fluoranthene	U		0.00271	0.00717	1	12/24/2021 09:01	WG1794261
Fluorene	U		0.00245	0.00717	1	12/24/2021 09:01	WG1794261
Indeno(1,2,3-cd)pyrene	U		0.00216	0.00717	1	12/24/2021 09:01	WG1794261
Naphthalene	U		0.00487	0.0239	1	12/24/2021 09:01	WG1794261
Phenanthrene	U		0.00276	0.00717	1	12/24/2021 09:01	WG1794261
Pyrene	0.00240	J	0.00239	0.00717	1	12/24/2021 09:01	WG1794261
1-Methylnaphthalene	U		0.00536	0.0239	1	12/24/2021 09:01	WG1794261
2-Methylnaphthalene	U		0.00510	0.0239	1	12/24/2021 09:01	WG1794261
2-Chloronaphthalene	U		0.00557	0.0239	1	12/24/2021 09:01	WG1794261
(S) Nitrobenzene-d5	*70.5*			*14.0-149*		*12/24/2021 09:01*	WG1794261
(S) 2-Fluorobiphenyl	*77.0*			*34.0-125*		*12/24/2021 09:01*	WG1794261
(S) p-Terphenyl-d14	*83.9*			*23.0-120*		*12/24/2021 09:01*	WG1794261

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	83.0		1	12/17/2021 09:38	WG1789822

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0539	0.0739	1	12/16/2021 20:08	WG1790756
Acrylonitrile	U		0.00533	0.0185	1	12/16/2021 20:08	WG1790756
Benzene	U		0.000690	0.00148	1	12/16/2021 20:08	WG1790756
Bromobenzene	U		0.00133	0.0185	1	12/16/2021 20:08	WG1790756
Bromodichloromethane	U		0.00107	0.00369	1	12/16/2021 20:08	WG1790756
Bromoform	U		0.00173	0.0369	1	12/16/2021 20:08	WG1790756
Bromomethane	U		0.00291	0.0185	1	12/16/2021 20:08	WG1790756
n-Butylbenzene	U		0.00776	0.0185	1	12/16/2021 20:08	WG1790756
sec-Butylbenzene	U		0.00426	0.0185	1	12/16/2021 20:08	WG1790756
tert-Butylbenzene	U		0.00288	0.00739	1	12/16/2021 20:08	WG1790756
Carbon tetrachloride	U		0.00133	0.00739	1	12/16/2021 20:08	WG1790756
Chlorobenzene	U		0.000310	0.00369	1	12/16/2021 20:08	WG1790756
Chlorodibromomethane	U		0.000904	0.00369	1	12/16/2021 20:08	WG1790756
Chloroethane	U		0.00251	0.00739	1	12/16/2021 20:08	WG1790756
Chloroform	U		0.00152	0.00369	1	12/16/2021 20:08	WG1790756
Chloromethane	U		0.00643	0.0185	1	12/16/2021 20:08	WG1790756
2-Chlorotoluene	U		0.00128	0.00369	1	12/16/2021 20:08	WG1790756
4-Chlorotoluene	U		0.000665	0.00739	1	12/16/2021 20:08	WG1790756
1,2-Dibromo-3-Chloropropane	U		0.00576	0.0369	1	12/16/2021 20:08	WG1790756
1,2-Dibromoethane	U		0.000957	0.00369	1	12/16/2021 20:08	WG1790756
Dibromomethane	U		0.00111	0.00739	1	12/16/2021 20:08	WG1790756
1,2-Dichlorobenzene	U		0.000628	0.00739	1	12/16/2021 20:08	WG1790756
1,3-Dichlorobenzene	U		0.000887	0.00739	1	12/16/2021 20:08	WG1790756
1,4-Dichlorobenzene	U		0.00103	0.00739	1	12/16/2021 20:08	WG1790756
Dichlorodifluoromethane	U		0.00238	0.00369	1	12/16/2021 20:08	WG1790756
1,1-Dichloroethane	U		0.000726	0.00369	1	12/16/2021 20:08	WG1790756
1,2-Dichloroethane	U		0.000959	0.00369	1	12/16/2021 20:08	WG1790756
1,1-Dichloroethene	U		0.000895	0.00369	1	12/16/2021 20:08	WG1790756
cis-1,2-Dichloroethene	U		0.00108	0.00369	1	12/16/2021 20:08	WG1790756
trans-1,2-Dichloroethene	U		0.00154	0.00739	1	12/16/2021 20:08	WG1790756
1,2-Dichloropropane	U		0.00210	0.00739	1	12/16/2021 20:08	WG1790756
1,1-Dichloropropene	U		0.00120	0.00369	1	12/16/2021 20:08	WG1790756
1,3-Dichloropropane	U		0.000740	0.00739	1	12/16/2021 20:08	WG1790756
cis-1,3-Dichloropropene	U		0.00112	0.00369	1	12/16/2021 20:08	WG1790756
trans-1,3-Dichloropropene	U		0.00168	0.00739	1	12/16/2021 20:08	WG1790756
2,2-Dichloropropane	U		0.00204	0.00369	1	12/16/2021 20:08	WG1790756
Di-isopropyl ether	U		0.000606	0.00148	1	12/16/2021 20:08	WG1790756
Ethylbenzene	U		0.00109	0.00369	1	12/16/2021 20:08	WG1790756
Hexachloro-1,3-butadiene	U		0.00887	0.0369	1	12/16/2021 20:08	WG1790756
n-Hexane	U		0.00334	0.00739	1	12/16/2021 20:08	WG1790756
Isopropylbenzene	U		0.000628	0.00369	1	12/16/2021 20:08	WG1790756
p-Isopropyltoluene	U		0.00377	0.00739	1	12/16/2021 20:08	WG1790756
2-Butanone (MEK)	U		0.0938	0.148	1	12/16/2021 20:08	WG1790756
Methylene Chloride	U		0.00981	0.0369	1	12/16/2021 20:08	WG1790756
4-Methyl-2-pentanone (MIBK)	U		0.00337	0.0369	1	12/16/2021 20:08	WG1790756
Methyl tert-butyl ether	U		0.000517	0.00148	1	12/16/2021 20:08	WG1790756
Naphthalene	U		0.00721	0.0185	1	12/16/2021 20:08	WG1790756
n-Propylbenzene	U		0.00140	0.00739	1	12/16/2021 20:08	WG1790756
Styrene	U		0.000338	0.0185	1	12/16/2021 20:08	WG1790756
1,1,1,2-Tetrachloroethane	U		0.00140	0.00369	1	12/16/2021 20:08	WG1790756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.00103	0.00369	1	12/16/2021 20:08	WG1790756
Tetrachloroethene	U		0.00132	0.00369	1	12/16/2021 20:08	WG1790756
Toluene	U		0.00192	0.00739	1	12/16/2021 20:08	WG1790756
1,2,3-Trichlorobenzene	U		0.0108	0.0185	1	12/16/2021 20:08	WG1790756
1,2,4-Trichlorobenzene	U	J3	0.00650	0.0185	1	12/16/2021 20:08	WG1790756
1,1,1-Trichloroethane	U		0.00136	0.00369	1	12/16/2021 20:08	WG1790756
1,1,2-Trichloroethane	U		0.000882	0.00369	1	12/16/2021 20:08	WG1790756
Trichloroethene	0.0523		0.000863	0.00148	1	12/16/2021 20:08	WG1790756
Trichlorofluoromethane	U		0.00122	0.00369	1	12/16/2021 20:08	WG1790756
1,2,3-Trichloropropane	U		0.00239	0.0185	1	12/16/2021 20:08	WG1790756
1,2,4-Trimethylbenzene	U		0.00233	0.00739	1	12/16/2021 20:08	WG1790756
1,3,5-Trimethylbenzene	U		0.00296	0.00739	1	12/16/2021 20:08	WG1790756
Vinyl chloride	U		0.00171	0.00369	1	12/16/2021 20:08	WG1790756
Xylenes, Total	U		0.00130	0.00960	1	12/16/2021 20:08	WG1790756
(S) Toluene-d8	*114*			*75.0-131*		*12/16/2021 20:08*	WG1790756
(S) 4-Bromofluorobenzene	*91.7*			*67.0-138*		*12/16/2021 20:08*	WG1790756
(S) 1,2-Dichloroethane-d4	*98.4*			*70.0-130*		*12/16/2021 20:08*	WG1790756

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	U		0.00277	0.00723	1	12/24/2021 09:19	WG1794261
Acenaphthene	U		0.00252	0.00723	1	12/24/2021 09:19	WG1794261
Acenaphthylene	U		0.00260	0.00723	1	12/24/2021 09:19	WG1794261
Benzo(a)anthracene	U		0.00209	0.00723	1	12/24/2021 09:19	WG1794261
Benzo(a)pyrene	U		0.00216	0.00723	1	12/24/2021 09:19	WG1794261
Benzo(b)fluoranthene	U		0.00184	0.00723	1	12/24/2021 09:19	WG1794261
Benzo(g,h,i)perylene	U		0.00213	0.00723	1	12/24/2021 09:19	WG1794261
Benzo(k)fluoranthene	U		0.00259	0.00723	1	12/24/2021 09:19	WG1794261
Chrysene	U		0.00280	0.00723	1	12/24/2021 09:19	WG1794261
Dibenz(a,h)anthracene	U		0.00207	0.00723	1	12/24/2021 09:19	WG1794261
Fluoranthene	U		0.00274	0.00723	1	12/24/2021 09:19	WG1794261
Fluorene	U		0.00247	0.00723	1	12/24/2021 09:19	WG1794261
Indeno(1,2,3-cd)pyrene	U		0.00218	0.00723	1	12/24/2021 09:19	WG1794261
Naphthalene	U		0.00492	0.0241	1	12/24/2021 09:19	WG1794261
Phenanthrene	U		0.00278	0.00723	1	12/24/2021 09:19	WG1794261
Pyrene	U		0.00241	0.00723	1	12/24/2021 09:19	WG1794261
1-Methylnaphthalene	U		0.00541	0.0241	1	12/24/2021 09:19	WG1794261
2-Methylnaphthalene	U		0.00515	0.0241	1	12/24/2021 09:19	WG1794261
2-Chloronaphthalene	U		0.00562	0.0241	1	12/24/2021 09:19	WG1794261
(S) Nitrobenzene-d5	*70.7*			*14.0-149*		*12/24/2021 09:19*	WG1794261
(S) 2-Fluorobiphenyl	*78.0*			*34.0-125*		*12/24/2021 09:19*	WG1794261
(S) p-Terphenyl-d14	*83.4*			*23.0-120*		*12/24/2021 09:19*	WG1794261

Total Solids by Method 2540 G-2011

Analyte	Result %	Qualifier	Dilution	Analysis date / time	Batch
Total Solids	89.9		1	12/17/2021 09:38	WG1789822

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Acetone	U		0.0455	0.0623	1	12/16/2021 20:28	WG1790756
Acrylonitrile	U		0.00450	0.0156	1	12/16/2021 20:28	WG1790756
Benzene	0.00378		0.000582	0.00125	1	12/16/2021 20:28	WG1790756
Bromobenzene	U		0.00112	0.0156	1	12/16/2021 20:28	WG1790756
Bromodichloromethane	U		0.000904	0.00312	1	12/16/2021 20:28	WG1790756
Bromoform	U		0.00146	0.0312	1	12/16/2021 20:28	WG1790756
Bromomethane	U		0.00246	0.0156	1	12/16/2021 20:28	WG1790756
n-Butylbenzene	U		0.00655	0.0156	1	12/16/2021 20:28	WG1790756
sec-Butylbenzene	U		0.00359	0.0156	1	12/16/2021 20:28	WG1790756
tert-Butylbenzene	U		0.00243	0.00623	1	12/16/2021 20:28	WG1790756
Carbon tetrachloride	U		0.00112	0.00623	1	12/16/2021 20:28	WG1790756
Chlorobenzene	U		0.000262	0.00312	1	12/16/2021 20:28	WG1790756
Chlorodibromomethane	U		0.000763	0.00312	1	12/16/2021 20:28	WG1790756
Chloroethane	U		0.00212	0.00623	1	12/16/2021 20:28	WG1790756
Chloroform	U		0.00128	0.00312	1	12/16/2021 20:28	WG1790756
Chloromethane	U		0.00542	0.0156	1	12/16/2021 20:28	WG1790756
2-Chlorotoluene	U		0.00108	0.00312	1	12/16/2021 20:28	WG1790756
4-Chlorotoluene	U		0.000561	0.00623	1	12/16/2021 20:28	WG1790756
1,2-Dibromo-3-Chloropropane	U		0.00486	0.0312	1	12/16/2021 20:28	WG1790756
1,2-Dibromoethane	U		0.000808	0.00312	1	12/16/2021 20:28	WG1790756
Dibromomethane	U		0.000935	0.00623	1	12/16/2021 20:28	WG1790756
1,2-Dichlorobenzene	U		0.000530	0.00623	1	12/16/2021 20:28	WG1790756
1,3-Dichlorobenzene	U		0.000748	0.00623	1	12/16/2021 20:28	WG1790756
1,4-Dichlorobenzene	U		0.000873	0.00623	1	12/16/2021 20:28	WG1790756
Dichlorodifluoromethane	U		0.00201	0.00312	1	12/16/2021 20:28	WG1790756
1,1-Dichloroethane	U		0.000612	0.00312	1	12/16/2021 20:28	WG1790756
1,2-Dichloroethane	U		0.000809	0.00312	1	12/16/2021 20:28	WG1790756
1,1-Dichloroethene	U		0.000756	0.00312	1	12/16/2021 20:28	WG1790756
cis-1,2-Dichloroethene	U		0.000915	0.00312	1	12/16/2021 20:28	WG1790756
trans-1,2-Dichloroethene	U		0.00130	0.00623	1	12/16/2021 20:28	WG1790756
1,2-Dichloropropane	U		0.00177	0.00623	1	12/16/2021 20:28	WG1790756
1,1-Dichloropropene	U		0.00101	0.00312	1	12/16/2021 20:28	WG1790756
1,3-Dichloropropane	U		0.000625	0.00623	1	12/16/2021 20:28	WG1790756
cis-1,3-Dichloropropene	U		0.000944	0.00312	1	12/16/2021 20:28	WG1790756
trans-1,3-Dichloropropene	U		0.00142	0.00623	1	12/16/2021 20:28	WG1790756
2,2-Dichloropropane	U		0.00172	0.00312	1	12/16/2021 20:28	WG1790756
Di-isopropyl ether	U		0.000511	0.00125	1	12/16/2021 20:28	WG1790756
Ethylbenzene	U		0.000919	0.00312	1	12/16/2021 20:28	WG1790756
Hexachloro-1,3-butadiene	U		0.00748	0.0312	1	12/16/2021 20:28	WG1790756
n-Hexane	U		0.00282	0.00623	1	12/16/2021 20:28	WG1790756
Isopropylbenzene	U		0.000530	0.00312	1	12/16/2021 20:28	WG1790756
p-Isopropyltoluene	0.0108		0.00318	0.00623	1	12/16/2021 20:28	WG1790756
2-Butanone (MEK)	U		0.0792	0.125	1	12/16/2021 20:28	WG1790756
Methylene Chloride	U		0.00828	0.0312	1	12/16/2021 20:28	WG1790756
4-Methyl-2-pentanone (MIBK)	U		0.00284	0.0312	1	12/16/2021 20:28	WG1790756
Methyl tert-butyl ether	U		0.000436	0.00125	1	12/16/2021 20:28	WG1790756
Naphthalene	0.0490		0.00608	0.0156	1	12/16/2021 20:28	WG1790756
n-Propylbenzene	U		0.00118	0.00623	1	12/16/2021 20:28	WG1790756
Styrene	U		0.000286	0.0156	1	12/16/2021 20:28	WG1790756
1,1,1,2-Tetrachloroethane	U		0.00118	0.00312	1	12/16/2021 20:28	WG1790756

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
1,1,2,2-Tetrachloroethane	U		0.000867	0.00312	1	12/16/2021 20:28	WG1790756
Tetrachloroethene	U		0.00112	0.00312	1	12/16/2021 20:28	WG1790756
Toluene	0.00613	J	0.00162	0.00623	1	12/16/2021 20:28	WG1790756
1,2,3-Trichlorobenzene	U		0.00914	0.0156	1	12/16/2021 20:28	WG1790756
1,2,4-Trichlorobenzene	U	J3	0.00549	0.0156	1	12/16/2021 20:28	WG1790756
1,1,1-Trichloroethane	U		0.00115	0.00312	1	12/16/2021 20:28	WG1790756
1,1,2-Trichloroethane	U		0.000744	0.00312	1	12/16/2021 20:28	WG1790756
Trichloroethene	0.00253		0.000728	0.00125	1	12/16/2021 20:28	WG1790756
Trichlorofluoromethane	U		0.00103	0.00312	1	12/16/2021 20:28	WG1790756
1,2,3-Trichloropropane	U		0.00202	0.0156	1	12/16/2021 20:28	WG1790756
1,2,4-Trimethylbenzene	0.00592	J	0.00197	0.00623	1	12/16/2021 20:28	WG1790756
1,3,5-Trimethylbenzene	U		0.00249	0.00623	1	12/16/2021 20:28	WG1790756
Vinyl chloride	U		0.00145	0.00312	1	12/16/2021 20:28	WG1790756
Xylenes, Total	0.00875		0.00110	0.00810	1	12/16/2021 20:28	WG1790756
(S) Toluene-d8	*112*			*75.0-131*		*12/16/2021 20:28*	WG1790756
(S) 4-Bromofluorobenzene	*93.1*			*67.0-138*		*12/16/2021 20:28*	WG1790756
(S) 1,2-Dichloroethane-d4	*97.2*			*70.0-130*		*12/16/2021 20:28*	WG1790756

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
Anthracene	0.0422		0.00256	0.00667	1	12/24/2021 14:39	WG1794261
Acenaphthene	0.0133		0.00232	0.00667	1	12/24/2021 14:39	WG1794261
Acenaphthylene	0.0117		0.00240	0.00667	1	12/24/2021 14:39	WG1794261
Benzo(a)anthracene	0.200		0.00192	0.00667	1	12/24/2021 14:39	WG1794261
Benzo(a)pyrene	0.200		0.00199	0.00667	1	12/24/2021 14:39	WG1794261
Benzo(b)fluoranthene	0.257		0.00170	0.00667	1	12/24/2021 14:39	WG1794261
Benzo(g,h,i)perylene	0.137		0.00197	0.00667	1	12/24/2021 14:39	WG1794261
Benzo(k)fluoranthene	0.0907		0.00239	0.00667	1	12/24/2021 14:39	WG1794261
Chrysene	0.196		0.00258	0.00667	1	12/24/2021 14:39	WG1794261
Dibenz(a,h)anthracene	0.0276		0.00191	0.00667	1	12/24/2021 14:39	WG1794261
Fluoranthene	0.366		0.00252	0.00667	1	12/24/2021 14:39	WG1794261
Fluorene	0.0102		0.00228	0.00667	1	12/24/2021 14:39	WG1794261
Indeno(1,2,3-cd)pyrene	0.161		0.00201	0.00667	1	12/24/2021 14:39	WG1794261
Naphthalene	0.00796	J	0.00454	0.0222	1	12/24/2021 14:39	WG1794261
Phenanthrene	0.181		0.00257	0.00667	1	12/24/2021 14:39	WG1794261
Pyrene	0.344		0.00222	0.00667	1	12/24/2021 14:39	WG1794261
1-Methylnaphthalene	0.0117	J	0.00499	0.0222	1	12/24/2021 14:39	WG1794261
2-Methylnaphthalene	0.0167	J	0.00475	0.0222	1	12/24/2021 14:39	WG1794261
2-Chloronaphthalene	U		0.00518	0.0222	1	12/24/2021 14:39	WG1794261
(S) Nitrobenzene-d5	*73.2*			*14.0-149*		*12/24/2021 14:39*	WG1794261
(S) 2-Fluorobiphenyl	*79.0*			*34.0-125*		*12/24/2021 14:39*	WG1794261
(S) p-Terphenyl-d14	*80.5*			*23.0-120*		*12/24/2021 14:39*	WG1794261

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	12/15/2021 17:47	WG1789903
Acrolein	U		0.00254	0.0500	1	12/15/2021 17:47	WG1789903
Acrylonitrile	U		0.000671	0.0100	1	12/15/2021 17:47	WG1789903
Benzene	U		0.0000941	0.00100	1	12/15/2021 17:47	WG1789903
Bromobenzene	U		0.000118	0.00100	1	12/15/2021 17:47	WG1789903
Bromodichloromethane	0.00870		0.000136	0.00100	1	12/15/2021 17:47	WG1789903
Bromoform	0.000286	J	0.000129	0.00100	1	12/15/2021 17:47	WG1789903
Bromomethane	U		0.000605	0.00500	1	12/15/2021 17:47	WG1789903
n-Butylbenzene	U		0.000157	0.00100	1	12/15/2021 17:47	WG1789903
sec-Butylbenzene	U		0.000125	0.00100	1	12/15/2021 17:47	WG1789903
tert-Butylbenzene	U		0.000127	0.00100	1	12/15/2021 17:47	WG1789903
Carbon tetrachloride	U		0.000128	0.00100	1	12/15/2021 17:47	WG1789903
Chlorobenzene	U		0.000116	0.00100	1	12/15/2021 17:47	WG1789903
Chlorodibromomethane	0.00369		0.000140	0.00100	1	12/15/2021 17:47	WG1789903
Chloroethane	U		0.000192	0.00500	1	12/15/2021 17:47	WG1789903
Chloroform	0.0211		0.000111	0.00500	1	12/15/2021 17:47	WG1789903
Chloromethane	U		0.000960	0.00250	1	12/15/2021 17:47	WG1789903
2-Chlorotoluene	U		0.000106	0.00100	1	12/15/2021 17:47	WG1789903
4-Chlorotoluene	U		0.000114	0.00100	1	12/15/2021 17:47	WG1789903
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	12/15/2021 17:47	WG1789903
1,2-Dibromoethane	U		0.000126	0.00100	1	12/15/2021 17:47	WG1789903
Dibromomethane	U		0.000122	0.00100	1	12/15/2021 17:47	WG1789903
1,2-Dichlorobenzene	U		0.000107	0.00100	1	12/15/2021 17:47	WG1789903
1,3-Dichlorobenzene	U		0.000110	0.00100	1	12/15/2021 17:47	WG1789903
1,4-Dichlorobenzene	U		0.000120	0.00100	1	12/15/2021 17:47	WG1789903
Dichlorodifluoromethane	U		0.000374	0.00500	1	12/15/2021 17:47	WG1789903
1,1-Dichloroethane	U		0.000100	0.00100	1	12/15/2021 17:47	WG1789903
1,2-Dichloroethane	U		0.0000819	0.00100	1	12/15/2021 17:47	WG1789903
1,1-Dichloroethene	U		0.000188	0.00100	1	12/15/2021 17:47	WG1789903
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	12/15/2021 17:47	WG1789903
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	12/15/2021 17:47	WG1789903
1,2-Dichloropropane	U		0.000149	0.00100	1	12/15/2021 17:47	WG1789903
1,1-Dichloropropene	U		0.000142	0.00100	1	12/15/2021 17:47	WG1789903
1,3-Dichloropropane	U		0.000110	0.00100	1	12/15/2021 17:47	WG1789903
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	12/15/2021 17:47	WG1789903
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	12/15/2021 17:47	WG1789903
2,2-Dichloropropane	U		0.000161	0.00100	1	12/15/2021 17:47	WG1789903
Di-isopropyl ether	U		0.000105	0.00100	1	12/15/2021 17:47	WG1789903
Ethylbenzene	U		0.000137	0.00100	1	12/15/2021 17:47	WG1789903
Hexachloro-1,3-butadiene	U	J+	0.000337	0.00100	1	12/15/2021 17:47	WG1789903
n-Hexane	U		0.000749	0.0100	1	12/15/2021 17:47	WG1789903
Isopropylbenzene	U		0.000105	0.00100	1	12/15/2021 17:47	WG1789903
p-Isopropyltoluene	U		0.000120	0.00100	1	12/15/2021 17:47	WG1789903
2-Butanone (MEK)	U		0.00119	0.0100	1	12/15/2021 17:47	WG1789903
Methylene Chloride	U		0.000430	0.00500	1	12/15/2021 17:47	WG1789903
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	12/15/2021 17:47	WG1789903
Methyl tert-butyl ether	U		0.000101	0.00100	1	12/15/2021 17:47	WG1789903
Naphthalene	U		0.00100	0.00500	1	12/15/2021 17:47	WG1789903
n-Propylbenzene	U		0.0000993	0.00100	1	12/15/2021 17:47	WG1789903
Styrene	U		0.000118	0.00100	1	12/15/2021 17:47	WG1789903
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	12/15/2021 17:47	WG1789903
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	12/15/2021 17:47	WG1789903
Tetrachloroethene	U		0.000300	0.00100	1	12/15/2021 17:47	WG1789903
Toluene	U		0.000278	0.00100	1	12/15/2021 17:47	WG1789903
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	12/15/2021 17:47	WG1789903
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	12/15/2021 17:47	WG1789903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	12/15/2021 17:47	WG1789903
1,1,2-Trichloroethane	U		0.000158	0.00100	1	12/15/2021 17:47	WG1789903
Trichloroethene	U		0.000190	0.00100	1	12/15/2021 17:47	WG1789903
Trichlorofluoromethane	U		0.000160	0.00500	1	12/15/2021 17:47	WG1789903
1,2,3-Trichloropropane	U		0.000237	0.00250	1	12/15/2021 17:47	WG1789903
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	12/15/2021 17:47	WG1789903
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	12/15/2021 17:47	WG1789903
Vinyl chloride	U		0.000234	0.00100	1	12/15/2021 17:47	WG1789903
Xylenes, Total	U		0.000174	0.00300	1	12/15/2021 17:47	WG1789903
(S) Toluene-d8	*106*			*80.0-120*		*12/15/2021 17:47*	WG1789903
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*		*12/15/2021 17:47*	WG1789903
(S) 1,2-Dichloroethane-d4	*103*			*70.0-130*		*12/15/2021 17:47*	WG1789903

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Anthracene	U		0.0000190	0.0000500	1	12/16/2021 21:05	WG1790534
Acenaphthene	U		0.0000190	0.0000500	1	12/16/2021 21:05	WG1790534
Acenaphthylene	U		0.0000171	0.0000500	1	12/16/2021 21:05	WG1790534
Benzo(a)anthracene	U		0.0000203	0.0000500	1	12/16/2021 21:05	WG1790534
Benzo(a)pyrene	U		0.0000184	0.0000500	1	12/16/2021 21:05	WG1790534
Benzo(b)fluoranthene	U		0.0000168	0.0000500	1	12/16/2021 21:05	WG1790534
Benzo(g,h,i)perylene	U		0.0000184	0.0000500	1	12/16/2021 21:05	WG1790534
Benzo(k)fluoranthene	U		0.0000202	0.0000500	1	12/16/2021 21:05	WG1790534
Chrysene	U		0.0000179	0.0000500	1	12/16/2021 21:05	WG1790534
Dibenz(a,h)anthracene	U		0.0000160	0.0000500	1	12/16/2021 21:05	WG1790534
Fluoranthene	U		0.0000270	0.000100	1	12/16/2021 21:05	WG1790534
Fluorene	U		0.0000169	0.0000500	1	12/16/2021 21:05	WG1790534
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500	1	12/16/2021 21:05	WG1790534
Naphthalene	U		0.0000917	0.000250	1	12/16/2021 21:05	WG1790534
Phenanthrene	U		0.0000180	0.0000500	1	12/16/2021 21:05	WG1790534
Pyrene	U		0.0000169	0.0000500	1	12/16/2021 21:05	WG1790534
1-Methylnaphthalene	U		0.0000687	0.000250	1	12/16/2021 21:05	WG1790534
2-Methylnaphthalene	U		0.0000674	0.000250	1	12/16/2021 21:05	WG1790534
2-Chloronaphthalene	U		0.0000682	0.000250	1	12/16/2021 21:05	WG1790534
(S) Nitrobenzene-d5	*99.0*			*31.0-160*		*12/16/2021 21:05*	WG1790534
(S) 2-Fluorobiphenyl	*94.5*			*48.0-148*		*12/16/2021 21:05*	WG1790534
(S) p-Terphenyl-d14	*99.5*			*37.0-146*		*12/16/2021 21:05*	WG1790534

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U		0.0113	0.0500	1	12/15/2021 14:23	WG1789903
Acrolein	U		0.00254	0.0500	1	12/15/2021 14:23	WG1789903
Acrylonitrile	U		0.000671	0.0100	1	12/15/2021 14:23	WG1789903
Benzene	U		0.0000941	0.00100	1	12/15/2021 14:23	WG1789903
Bromobenzene	U		0.000118	0.00100	1	12/15/2021 14:23	WG1789903
Bromodichloromethane	U		0.000136	0.00100	1	12/15/2021 14:23	WG1789903
Bromoform	U		0.000129	0.00100	1	12/15/2021 14:23	WG1789903
Bromomethane	U		0.000605	0.00500	1	12/15/2021 14:23	WG1789903
n-Butylbenzene	U		0.000157	0.00100	1	12/15/2021 14:23	WG1789903
sec-Butylbenzene	U		0.000125	0.00100	1	12/15/2021 14:23	WG1789903
tert-Butylbenzene	U		0.000127	0.00100	1	12/15/2021 14:23	WG1789903
Carbon tetrachloride	U		0.000128	0.00100	1	12/15/2021 14:23	WG1789903
Chlorobenzene	U		0.000116	0.00100	1	12/15/2021 14:23	WG1789903
Chlorodibromomethane	U		0.000140	0.00100	1	12/15/2021 14:23	WG1789903
Chloroethane	U		0.000192	0.00500	1	12/15/2021 14:23	WG1789903
Chloroform	U		0.000111	0.00500	1	12/15/2021 14:23	WG1789903
Chloromethane	U		0.000960	0.00250	1	12/15/2021 14:23	WG1789903
2-Chlorotoluene	U		0.000106	0.00100	1	12/15/2021 14:23	WG1789903
4-Chlorotoluene	U		0.000114	0.00100	1	12/15/2021 14:23	WG1789903
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	12/15/2021 14:23	WG1789903
1,2-Dibromoethane	U		0.000126	0.00100	1	12/15/2021 14:23	WG1789903
Dibromomethane	U		0.000122	0.00100	1	12/15/2021 14:23	WG1789903
1,2-Dichlorobenzene	U		0.000107	0.00100	1	12/15/2021 14:23	WG1789903
1,3-Dichlorobenzene	U		0.000110	0.00100	1	12/15/2021 14:23	WG1789903
1,4-Dichlorobenzene	U		0.000120	0.00100	1	12/15/2021 14:23	WG1789903
Dichlorodifluoromethane	U		0.000374	0.00500	1	12/15/2021 14:23	WG1789903
1,1-Dichloroethane	U		0.000100	0.00100	1	12/15/2021 14:23	WG1789903
1,2-Dichloroethane	U		0.0000819	0.00100	1	12/15/2021 14:23	WG1789903
1,1-Dichloroethene	U		0.000188	0.00100	1	12/15/2021 14:23	WG1789903
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	12/15/2021 14:23	WG1789903
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	12/15/2021 14:23	WG1789903
1,2-Dichloropropane	U		0.000149	0.00100	1	12/15/2021 14:23	WG1789903
1,1-Dichloropropene	U		0.000142	0.00100	1	12/15/2021 14:23	WG1789903
1,3-Dichloropropane	U		0.000110	0.00100	1	12/15/2021 14:23	WG1789903
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	12/15/2021 14:23	WG1789903
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	12/15/2021 14:23	WG1789903
2,2-Dichloropropane	U		0.000161	0.00100	1	12/15/2021 14:23	WG1789903
Di-isopropyl ether	U		0.000105	0.00100	1	12/15/2021 14:23	WG1789903
Ethylbenzene	U		0.000137	0.00100	1	12/15/2021 14:23	WG1789903
Hexachloro-1,3-butadiene	U	J+	0.000337	0.00100	1	12/15/2021 14:23	WG1789903
n-Hexane	U		0.000749	0.0100	1	12/15/2021 14:23	WG1789903
Isopropylbenzene	U		0.000105	0.00100	1	12/15/2021 14:23	WG1789903
p-Isopropyltoluene	U		0.000120	0.00100	1	12/15/2021 14:23	WG1789903
2-Butanone (MEK)	U		0.00119	0.0100	1	12/15/2021 14:23	WG1789903
Methylene Chloride	U		0.000430	0.00500	1	12/15/2021 14:23	WG1789903
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	12/15/2021 14:23	WG1789903
Methyl tert-butyl ether	U		0.000101	0.00100	1	12/15/2021 14:23	WG1789903
Naphthalene	U		0.00100	0.00500	1	12/15/2021 14:23	WG1789903
n-Propylbenzene	U		0.0000993	0.00100	1	12/15/2021 14:23	WG1789903
Styrene	U		0.000118	0.00100	1	12/15/2021 14:23	WG1789903
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	12/15/2021 14:23	WG1789903
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	12/15/2021 14:23	WG1789903
Tetrachloroethene	U		0.000300	0.00100	1	12/15/2021 14:23	WG1789903
Toluene	U		0.000278	0.00100	1	12/15/2021 14:23	WG1789903
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	12/15/2021 14:23	WG1789903
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	12/15/2021 14:23	WG1789903

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,1-Trichloroethane	U		0.000149	0.00100	1	12/15/2021 14:23	WG1789903
1,1,2-Trichloroethane	U		0.000158	0.00100	1	12/15/2021 14:23	WG1789903
Trichloroethene	U		0.000190	0.00100	1	12/15/2021 14:23	WG1789903
Trichlorofluoromethane	U		0.000160	0.00500	1	12/15/2021 14:23	WG1789903
1,2,3-Trichloropropane	U		0.000237	0.00250	1	12/15/2021 14:23	WG1789903
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	12/15/2021 14:23	WG1789903
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	12/15/2021 14:23	WG1789903
Vinyl chloride	U		0.000234	0.00100	1	12/15/2021 14:23	WG1789903
Xylenes, Total	U		0.000174	0.00300	1	12/15/2021 14:23	WG1789903
(S) Toluene-d8	*103*			*80.0-120*		*12/15/2021 14:23*	WG1789903
(S) 4-Bromofluorobenzene	*99.7*			*77.0-126*		*12/15/2021 14:23*	WG1789903
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*		*12/15/2021 14:23*	WG1789903

QUALITY CONTROL SUMMARY

L1441693-01,02,03

Method Blank (MB)

(MB) R3742192-1 12/17/21 09:38

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.000			

L1441693-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1441693-01 12/17/21 09:38 • (DUP) R3742192-3 12/17/21 09:38

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	83.7	84.2	1	0.534		10

Laboratory Control Sample (LCS)

(LCS) R3742192-2 12/17/21 09:38

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3742766-2 12/15/21 10:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Di-isopropyl ether	U		0.000105	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100

Method Blank (MB)

(MB) R3742766-2 12/15/21 10:22

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
n-Hexane	U		0.000749	0.0100
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	0.000114	J	0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*95.3*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*102*			*70.0-130*

Laboratory Control Sample (LCS)

(LCS) R3742766-1 12/15/21 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Acetone	0.0250	0.0194	77.6	19.0-160	
Acrolein	0.0250	0.00949	38.0	10.0-160	
Acrylonitrile	0.0250	0.0254	102	55.0-149	
Benzene	0.00500	0.00491	98.2	70.0-123	
Bromobenzene	0.00500	0.00472	94.4	73.0-121	

Laboratory Control Sample (LCS)

(LCS) R3742766-1 12/15/21 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Bromodichloromethane	0.00500	0.00484	96.8	75.0-120	
Bromoform	0.00500	0.00481	96.2	68.0-132	
Bromomethane	0.00500	0.00478	95.6	10.0-160	
n-Butylbenzene	0.00500	0.00519	104	73.0-125	
sec-Butylbenzene	0.00500	0.00488	97.6	75.0-125	
tert-Butylbenzene	0.00500	0.00480	96.0	76.0-124	
Carbon tetrachloride	0.00500	0.00541	108	68.0-126	
Chlorobenzene	0.00500	0.00465	93.0	80.0-121	
Chlorodibromomethane	0.00500	0.00458	91.6	77.0-125	
Chloroethane	0.00500	0.00412	82.4	47.0-150	
Chloroform	0.00500	0.00512	102	73.0-120	
Chloromethane	0.00500	0.00388	77.6	41.0-142	
2-Chlorotoluene	0.00500	0.00455	91.0	76.0-123	
4-Chlorotoluene	0.00500	0.00461	92.2	75.0-122	
1,2-Dibromo-3-Chloropropane	0.00500	0.00395	79.0	58.0-134	
1,2-Dibromoethane	0.00500	0.00436	87.2	80.0-122	
Dibromomethane	0.00500	0.00492	98.4	80.0-120	
1,2-Dichlorobenzene	0.00500	0.00502	100	79.0-121	
1,3-Dichlorobenzene	0.00500	0.00462	92.4	79.0-120	
1,4-Dichlorobenzene	0.00500	0.00412	82.4	79.0-120	
Dichlorodifluoromethane	0.00500	0.00592	118	51.0-149	
1,1-Dichloroethane	0.00500	0.00485	97.0	70.0-126	
1,2-Dichloroethane	0.00500	0.00497	99.4	70.0-128	
1,1-Dichloroethene	0.00500	0.00471	94.2	71.0-124	
cis-1,2-Dichloroethene	0.00500	0.00524	105	73.0-120	
trans-1,2-Dichloroethene	0.00500	0.00505	101	73.0-120	
1,2-Dichloropropane	0.00500	0.00474	94.8	77.0-125	
1,1-Dichloropropene	0.00500	0.00503	101	74.0-126	
1,3-Dichloropropane	0.00500	0.00499	99.8	80.0-120	
cis-1,3-Dichloropropene	0.00500	0.00490	98.0	80.0-123	
trans-1,3-Dichloropropene	0.00500	0.00468	93.6	78.0-124	
2,2-Dichloropropane	0.00500	0.00533	107	58.0-130	
Di-isopropyl ether	0.00500	0.00510	102	58.0-138	
Ethylbenzene	0.00500	0.00474	94.8	79.0-123	
Hexachloro-1,3-butadiene	0.00500	0.00693	139	54.0-138	J4
n-Hexane	0.00500	0.00424	84.8	57.0-133	
Isopropylbenzene	0.00500	0.00490	98.0	76.0-127	
p-Isopropyltoluene	0.00500	0.00481	96.2	76.0-125	
2-Butanone (MEK)	0.0250	0.0258	103	44.0-160	
Methylene Chloride	0.00500	0.00502	100	67.0-120	

Laboratory Control Sample (LCS)

(LCS) R3742766-1 12/15/21 09:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
4-Methyl-2-pentanone (MIBK)	0.0250	0.0243	97.2	68.0-142	
Methyl tert-butyl ether	0.00500	0.00494	98.8	68.0-125	
Naphthalene	0.00500	0.00484	96.8	54.0-135	
n-Propylbenzene	0.00500	0.00483	96.6	77.0-124	
Styrene	0.00500	0.00424	84.8	73.0-130	
1,1,1,2-Tetrachloroethane	0.00500	0.00511	102	75.0-125	
1,1,2,2-Tetrachloroethane	0.00500	0.00489	97.8	65.0-130	
Tetrachloroethene	0.00500	0.00557	111	72.0-132	
Toluene	0.00500	0.00487	97.4	79.0-120	
1,2,3-Trichlorobenzene	0.00500	0.00647	129	50.0-138	
1,2,4-Trichlorobenzene	0.00500	0.00578	116	57.0-137	
1,1,1-Trichloroethane	0.00500	0.00576	115	73.0-124	
1,1,2-Trichloroethane	0.00500	0.00526	105	80.0-120	
Trichloroethene	0.00500	0.00489	97.8	78.0-124	
Trichlorofluoromethane	0.00500	0.00508	102	59.0-147	
1,2,3-Trichloropropane	0.00500	0.00469	93.8	73.0-130	
1,2,4-Trimethylbenzene	0.00500	0.00523	105	76.0-121	
1,3,5-Trimethylbenzene	0.00500	0.00504	101	76.0-122	
Vinyl chloride	0.00500	0.00404	80.8	67.0-131	
Xylenes, Total	0.0150	0.0142	94.7	79.0-123	
(S) Toluene-d8			*106*	*80.0-120*	
(S) 4-Bromofluorobenzene			*96.1*	*77.0-126*	
(S) 1,2-Dichloroethane-d4			*100*	*70.0-130*	

Method Blank (MB)

(MB) R3741727-3 12/16/21 19:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Acetone	U		0.0365	0.0500
Acrylonitrile	U		0.00361	0.0125
Benzene	U		0.000467	0.00100
Bromobenzene	U		0.000900	0.0125
Bromodichloromethane	U		0.000725	0.00250
Bromoform	U		0.00117	0.0250
Bromomethane	U		0.00197	0.0125
n-Butylbenzene	U		0.00525	0.0125
sec-Butylbenzene	U		0.00288	0.0125
tert-Butylbenzene	U		0.00195	0.00500
Carbon tetrachloride	U		0.000898	0.00500
Chlorobenzene	U		0.000210	0.00250
Chlorodibromomethane	U		0.000612	0.00250
Chloroethane	U		0.00170	0.00500
Chloroform	U		0.00103	0.00250
Chloromethane	U		0.00435	0.0125
2-Chlorotoluene	U		0.000865	0.00250
4-Chlorotoluene	U		0.000450	0.00500
1,2-Dibromo-3-Chloropropane	U		0.00390	0.0250
1,2-Dibromoethane	U		0.000648	0.00250
Dibromomethane	U		0.000750	0.00500
1,2-Dichlorobenzene	U		0.000425	0.00500
1,3-Dichlorobenzene	U		0.000600	0.00500
1,4-Dichlorobenzene	U		0.000700	0.00500
Dichlorodifluoromethane	U		0.00161	0.00250
1,1-Dichloroethane	U		0.000491	0.00250
1,2-Dichloroethane	U		0.000649	0.00250
1,1-Dichloroethene	U		0.000606	0.00250
cis-1,2-Dichloroethene	U		0.000734	0.00250
trans-1,2-Dichloroethene	U		0.00104	0.00500
1,2-Dichloropropane	U		0.00142	0.00500
1,1-Dichloropropene	U		0.000809	0.00250
1,3-Dichloropropane	U		0.000501	0.00500
cis-1,3-Dichloropropene	U		0.000757	0.00250
trans-1,3-Dichloropropene	U		0.00114	0.00500
2,2-Dichloropropane	U		0.00138	0.00250
Di-isopropyl ether	U		0.000410	0.00100
Ethylbenzene	U		0.000737	0.00250
Hexachloro-1,3-butadiene	U		0.00600	0.0250
n-Hexane	U		0.00226	0.00500

Method Blank (MB)

(MB) R3741727-3 12/16/21 19:09

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Isopropylbenzene	U		0.000425	0.00250
p-Isopropyltoluene	U		0.00255	0.00500
2-Butanone (MEK)	U		0.0635	0.100
Methylene Chloride	U		0.00664	0.0250
4-Methyl-2-pentanone (MIBK)	U		0.00228	0.0250
Methyl tert-butyl ether	U		0.000350	0.00100
Naphthalene	U		0.00488	0.0125
n-Propylbenzene	U		0.000950	0.00500
Styrene	U		0.000229	0.0125
1,1,1,2-Tetrachloroethane	U		0.000948	0.00250
1,1,2,2-Tetrachloroethane	U		0.000695	0.00250
Tetrachloroethene	U		0.000896	0.00250
Toluene	U		0.00130	0.00500
1,2,3-Trichlorobenzene	U		0.00733	0.0125
1,2,4-Trichlorobenzene	U		0.00440	0.0125
1,1,1-Trichloroethane	U		0.000923	0.00250
1,1,2-Trichloroethane	U		0.000597	0.00250
Trichloroethene	U		0.000584	0.00100
Trichlorofluoromethane	U		0.000827	0.00250
1,2,3-Trichloropropane	U		0.00162	0.0125
1,2,4-Trimethylbenzene	U		0.00158	0.00500
1,3,5-Trimethylbenzene	U		0.00200	0.00500
Vinyl chloride	U		0.00116	0.00250
Xylenes, Total	U		0.000880	0.00650
(S) Toluene-d8	*114*			*75.0-131*
(S) 4-Bromofluorobenzene	*91.6*			*67.0-138*
(S) 1,2-Dichloroethane-d4	*101*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3741727-1 12/16/21 17:41 • (LCSD) R3741727-2 12/16/21 18:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.625	0.463	0.456	74.1	73.0	10.0-160			1.52	31
Acrylonitrile	0.625	0.563	0.591	90.1	94.6	45.0-153			4.85	22
Benzene	0.125	0.122	0.120	97.6	96.0	70.0-123			1.65	20
Bromobenzene	0.125	0.116	0.130	92.8	104	73.0-121			11.4	20
Bromodichloromethane	0.125	0.124	0.125	99.2	100	73.0-121			0.803	20
Bromoform	0.125	0.124	0.119	99.2	95.2	64.0-132			4.12	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3741727-1 12/16/21 17:41 • (LCSD) R3741727-2 12/16/21 18:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromomethane	0.125	0.119	0.133	95.2	106	56.0-147			11.1	20
n-Butylbenzene	0.125	0.139	0.124	111	99.2	68.0-135			11.4	20
sec-Butylbenzene	0.125	0.137	0.141	110	113	74.0-130			2.88	20
tert-Butylbenzene	0.125	0.135	0.146	108	117	75.0-127			7.83	20
Carbon tetrachloride	0.125	0.121	0.122	96.8	97.6	66.0-128			0.823	20
Chlorobenzene	0.125	0.117	0.116	93.6	92.8	76.0-128			0.858	20
Chlorodibromomethane	0.125	0.124	0.128	99.2	102	74.0-127			3.17	20
Chloroethane	0.125	0.116	0.115	92.8	92.0	61.0-134			0.866	20
Chloroform	0.125	0.117	0.120	93.6	96.0	72.0-123			2.53	20
Chloromethane	0.125	0.104	0.105	83.2	84.0	51.0-138			0.957	20
2-Chlorotoluene	0.125	0.127	0.134	102	107	75.0-124			5.36	20
4-Chlorotoluene	0.125	0.126	0.134	101	107	75.0-124			6.15	20
1,2-Dibromo-3-Chloropropane	0.125	0.116	0.113	92.8	90.4	59.0-130			2.62	20
1,2-Dibromoethane	0.125	0.125	0.130	100	104	74.0-128			3.92	20
Dibromomethane	0.125	0.121	0.123	96.8	98.4	75.0-122			1.64	20
1,2-Dichlorobenzene	0.125	0.125	0.118	100	94.4	76.0-124			5.76	20
1,3-Dichlorobenzene	0.125	0.126	0.122	101	97.6	76.0-125			3.23	20
1,4-Dichlorobenzene	0.125	0.124	0.126	99.2	101	77.0-121			1.60	20
Dichlorodifluoromethane	0.125	0.137	0.143	110	114	43.0-156			4.29	20
1,1-Dichloroethane	0.125	0.113	0.114	90.4	91.2	70.0-127			0.881	20
1,2-Dichloroethane	0.125	0.126	0.129	101	103	65.0-131			2.35	20
1,1-Dichloroethene	0.125	0.116	0.112	92.8	89.6	65.0-131			3.51	20
cis-1,2-Dichloroethene	0.125	0.117	0.118	93.6	94.4	73.0-125			0.851	20
trans-1,2-Dichloroethene	0.125	0.121	0.123	96.8	98.4	71.0-125			1.64	20
1,2-Dichloropropane	0.125	0.123	0.124	98.4	99.2	74.0-125			0.810	20
1,1-Dichloropropene	0.125	0.122	0.119	97.6	95.2	73.0-125			2.49	20
1,3-Dichloropropane	0.125	0.122	0.126	97.6	101	80.0-125			3.23	20
cis-1,3-Dichloropropene	0.125	0.134	0.136	107	109	76.0-127			1.48	20
trans-1,3-Dichloropropene	0.125	0.130	0.140	104	112	73.0-127			7.41	20
2,2-Dichloropropane	0.125	0.111	0.113	88.8	90.4	59.0-135			1.79	20
Di-isopropyl ether	0.125	0.109	0.111	87.2	88.8	60.0-136			1.82	20
Ethylbenzene	0.125	0.121	0.116	96.8	92.8	74.0-126			4.22	20
Hexachloro-1,3-butadiene	0.125	0.184	0.159	147	127	57.0-150			14.6	20
n-Hexane	0.125	0.124	0.114	99.2	91.2	55.0-137			8.40	20
Isopropylbenzene	0.125	0.127	0.114	102	91.2	72.0-127			10.8	20
p-Isopropyltoluene	0.125	0.142	0.139	114	111	72.0-133			2.14	20
2-Butanone (MEK)	0.625	0.646	0.719	103	115	30.0-160			10.7	24
Methylene Chloride	0.125	0.113	0.114	90.4	91.2	68.0-123			0.881	20
4-Methyl-2-pentanone (MIBK)	0.625	0.624	0.640	99.8	102	56.0-143			2.53	20
Methyl tert-butyl ether	0.125	0.118	0.121	94.4	96.8	66.0-132			2.51	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3741727-1 12/16/21 17:41 • (LCSD) R3741727-2 12/16/21 18:01

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCSD Result mg/kg	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.125	0.114	0.0971	91.2	77.7	59.0-130			16.0	20
n-Propylbenzene	0.125	0.125	0.134	100	107	74.0-126			6.95	20
Styrene	0.125	0.127	0.118	102	94.4	72.0-127			7.35	20
1,1,1,2-Tetrachloroethane	0.125	0.120	0.118	96.0	94.4	74.0-129			1.68	20
1,1,2,2-Tetrachloroethane	0.125	0.108	0.121	86.4	96.8	68.0-128			11.4	20
Tetrachloroethene	0.125	0.127	0.127	102	102	70.0-136			0.000	20
Toluene	0.125	0.118	0.117	94.4	93.6	75.0-121			0.851	20
1,2,3-Trichlorobenzene	0.125	0.168	0.145	134	116	59.0-139			14.7	20
1,2,4-Trichlorobenzene	0.125	0.157	0.126	126	101	62.0-137		J3	21.9	20
1,1,1-Trichloroethane	0.125	0.114	0.123	91.2	98.4	69.0-126			7.59	20
1,1,2-Trichloroethane	0.125	0.124	0.125	99.2	100	78.0-123			0.803	20
Trichloroethene	0.125	0.124	0.120	99.2	96.0	76.0-126			3.28	20
Trichlorofluoromethane	0.125	0.112	0.112	89.6	89.6	61.0-142			0.000	20
1,2,3-Trichloropropane	0.125	0.117	0.136	93.6	109	67.0-129			15.0	20
1,2,4-Trimethylbenzene	0.125	0.128	0.131	102	105	70.0-126			2.32	20
1,3,5-Trimethylbenzene	0.125	0.126	0.136	101	109	73.0-127			7.63	20
Vinyl chloride	0.125	0.104	0.112	83.2	89.6	63.0-134			7.41	20
Xylenes, Total	0.375	0.381	0.355	102	94.7	72.0-127			7.07	20
(S) Toluene-d8				*105*	*109*	*75.0-131*				
(S) 4-Bromofluorobenzene				*103*	*90.9*	*67.0-138*				
(S) 1,2-Dichloroethane-d4				*102*	*104*	*70.0-130*				

L1442533-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1442533-05 12/17/21 01:40 • (MS) R3741727-4 12/17/21 02:00 • (MSD) R3741727-5 12/17/21 02:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Acetone	5.00	U	4.83	2.53	96.6	50.6	8	10.0-160		J3	62.5	40
Acrylonitrile	5.00	U	5.32	4.01	106	80.2	8	10.0-160			28.1	40
Benzene	1.00	0.112	0.771	0.504	65.9	39.2	8	10.0-149		J3	41.9	37
Bromobenzene	1.00	U	0.787	0.534	78.7	53.4	8	10.0-156		J3	38.3	38
Bromodichloromethane	1.00	U	0.767	0.485	76.7	48.5	8	10.0-143		J3	45.0	37
Bromoform	1.00	U	0.913	0.681	91.3	68.1	8	10.0-146			29.1	36
Bromomethane	1.00	U	0.542	0.303	54.2	30.3	8	10.0-149		J3	56.6	38
n-Butylbenzene	1.00	0.737	1.84	1.51	110	77.3	8	10.0-160			19.7	40
sec-Butylbenzene	1.00	0.473	1.56	1.16	109	68.7	8	10.0-159			29.4	39
tert-Butylbenzene	1.00	0.108	1.04	0.636	93.2	52.8	8	10.0-156		J3	48.2	39
Carbon tetrachloride	1.00	U	0.589	0.312	58.9	31.2	8	10.0-145		J3	61.5	37
Chlorobenzene	1.00	U	0.658	0.420	65.8	42.0	8	10.0-152		J3	44.2	39

L1442533-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1442533-05 12/17/21 01:40 • (MS) R3741727-4 12/17/21 02:00 • (MSD) R3741727-5 12/17/21 02:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Chlorodibromomethane	1.00	U	0.907	0.595	90.7	59.5	8	10.0-146		J3	41.5	37
Chloroethane	1.00	U	0.424	0.223	42.4	22.3	8	10.0-146		J3	62.1	40
Chloroform	1.00	U	0.739	0.479	73.9	47.9	8	10.0-146		J3	42.7	37
Chloromethane	1.00	U	0.405	0.242	40.5	24.2	8	10.0-159		J3	50.4	37
2-Chlorotoluene	1.00	U	0.803	0.476	80.3	47.6	8	10.0-159		J3	51.1	38
4-Chlorotoluene	1.00	U	0.727	0.454	72.7	45.4	8	10.0-155		J3	46.2	39
1,2-Dibromo-3-Chloropropane	1.00	U	1.05	0.850	105	85.0	8	10.0-151			21.1	39
1,2-Dibromoethane	1.00	U	0.937	0.701	93.7	70.1	8	10.0-148			28.8	34
Dibromomethane	1.00	U	0.864	0.594	86.4	59.4	8	10.0-147		J3	37.0	35
1,2-Dichlorobenzene	1.00	U	0.837	0.533	83.7	53.3	8	10.0-155		J3	44.4	37
1,3-Dichlorobenzene	1.00	U	0.786	0.486	78.6	48.6	8	10.0-153		J3	47.2	38
1,4-Dichlorobenzene	1.00	U	0.793	0.500	79.3	50.0	8	10.0-151		J3	45.3	38
Dichlorodifluoromethane	1.00	U	0.593	0.322	59.3	32.2	8	10.0-160		J3	59.2	35
1,1-Dichloroethane	1.00	U	0.605	0.341	60.5	34.1	8	10.0-147		J3	55.8	37
1,2-Dichloroethane	1.00	U	0.880	0.594	88.0	59.4	8	10.0-148		J3	38.8	35
1,1-Dichloroethene	1.00	U	0.468	0.244	46.8	24.4	8	10.0-155		J3	62.9	37
cis-1,2-Dichloroethene	1.00	U	0.671	0.401	67.1	40.1	8	10.0-149		J3	50.4	37
trans-1,2-Dichloroethene	1.00	U	0.563	0.291	56.3	29.1	8	10.0-150		J3	63.7	37
1,2-Dichloropropane	1.00	U	0.741	0.502	74.1	50.2	8	10.0-148		J3	38.5	37
1,1-Dichloropropene	1.00	U	0.545	0.277	54.5	27.7	8	10.0-153		J3	65.2	35
1,3-Dichloropropane	1.00	U	0.877	0.623	87.7	62.3	8	10.0-154			33.9	35
cis-1,3-Dichloropropene	1.00	U	0.783	0.519	78.3	51.9	8	10.0-151		J3	40.6	37
trans-1,3-Dichloropropene	1.00	U	0.850	0.649	85.0	64.9	8	10.0-148			26.8	37
2,2-Dichloropropane	1.00	U	0.517	0.0198	51.7	1.98	8	10.0-138		J3 J6	185	36
Di-isopropyl ether	1.00	U	0.716	0.463	71.6	46.3	8	10.0-147		J3	42.9	36
Ethylbenzene	1.00	1.45	2.51	2.39	106	94.0	8	10.0-160			4.90	38
Hexachloro-1,3-butadiene	1.00	U	2.09	1.22	209	122	8	10.0-160	J5	J3	52.6	40
n-Hexane	1.00	0.975	1.79	1.56	81.5	58.5	8	10.0-157			13.7	37
Isopropylbenzene	1.00	0.514	1.37	1.11	85.6	59.6	8	10.0-155			21.0	38
p-Isopropyltoluene	1.00	0.918	2.21	1.70	129	78.2	8	10.0-160			26.1	40
2-Butanone (MEK)	5.00	U	6.17	5.37	123	107	8	10.0-160			13.9	40
Methylene Chloride	1.00	U	0.676	0.424	67.6	42.4	8	10.0-141		J3	45.8	37
4-Methyl-2-pentanone (MIBK)	5.00	6.15	13.6	12.8	149	133	8	10.0-160			6.06	35
Methyl tert-butyl ether	1.00	U	0.956	0.677	95.6	67.7	8	11.0-147			34.2	35
Naphthalene	1.00	2.44	4.82	4.91	238	247	8	10.0-160	J5	J5	1.85	36
n-Propylbenzene	1.00	1.05	2.14	1.81	109	76.0	8	10.0-158			16.7	38
Styrene	1.00	U	0.765	0.480	76.5	48.0	8	10.0-160		J3	45.8	40
1,1,1,2-Tetrachloroethane	1.00	U	0.746	0.466	74.6	46.6	8	10.0-149		J3	46.2	39
1,1,2,2-Tetrachloroethane	1.00	U	1.85	1.63	185	163	8	10.0-160	J5	J5	12.6	35
Tetrachloroethene	1.00	U	0.585	0.320	58.5	32.0	8	10.0-156		J3	58.6	39

L1442533-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1442533-05 12/17/21 01:40 • (MS) R3741727-4 12/17/21 02:00 • (MSD) R3741727-5 12/17/21 02:19

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Toluene	1.00	4.45	6.28	6.49	183	204	8	10.0-156	V	V	3.29	38
1,2,3-Trichlorobenzene	1.00	U	1.71	1.22	171	122	8	10.0-160	J5		33.4	40
1,2,4-Trichlorobenzene	1.00	U	1.32	1.00	132	100	8	10.0-160			27.6	40
1,1,1-Trichloroethane	1.00	U	0.615	0.307	61.5	30.7	8	10.0-144		J3	66.8	35
1,1,2-Trichloroethane	1.00	0.822	1.95	1.76	113	93.8	8	10.0-160			10.2	35
Trichloroethene	1.00	U	0.660	0.363	66.0	36.3	8	10.0-156		J3	58.1	38
Trichlorofluoromethane	1.00	U	0.517	0.253	51.7	25.3	8	10.0-160		J3	68.6	40
1,2,3-Trichloropropane	1.00	U	1.08	0.858	108	85.8	8	10.0-156			22.9	35
1,2,4-Trimethylbenzene	1.00	13.6	18.6	18.3	500	470	8	10.0-160	V	V	1.63	36
1,3,5-Trimethylbenzene	1.00	7.38	10.5	10.3	312	292	8	10.0-160	V	V	1.92	38
Vinyl chloride	1.00	U	0.441	0.240	44.1	24.0	8	10.0-160		J3	59.0	37
Xylenes, Total	3.00	22.1	30.5	30.9	280	293	8	10.0-160	V	V	1.30	38
(S) Toluene-d8					*108*	*114*		*75.0-131*				
(S) 4-Bromofluorobenzene					*134*	*114*		*67.0-138*				
(S) 1,2-Dichloroethane-d4					*104*	*102*		*70.0-130*				

Method Blank (MB)

(MB) R3742052-3 12/16/21 20:45

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Anthracene	U		0.0000190	0.0000500
Acenaphthene	U		0.0000190	0.0000500
Acenaphthylene	U		0.0000171	0.0000500
Benzo(a)anthracene	U		0.0000203	0.0000500
Benzo(a)pyrene	U		0.0000184	0.0000500
Benzo(b)fluoranthene	U		0.0000168	0.0000500
Benzo(g,h,i)perylene	U		0.0000184	0.0000500
Benzo(k)fluoranthene	U		0.0000202	0.0000500
Chrysene	U		0.0000179	0.0000500
Dibenz(a,h)anthracene	U		0.0000160	0.0000500
Fluoranthene	U		0.0000270	0.000100
Fluorene	U		0.0000169	0.0000500
Indeno(1,2,3-cd)pyrene	U		0.0000158	0.0000500
Naphthalene	U		0.0000917	0.000250
Phenanthrene	U		0.0000180	0.0000500
Pyrene	U		0.0000169	0.0000500
1-Methylnaphthalene	U		0.0000687	0.000250
2-Methylnaphthalene	U		0.0000674	0.000250
2-Chloronaphthalene	U		0.0000682	0.000250
(S) Nitrobenzene-d5	*98.0*			*31.0-160*
(S) 2-Fluorobiphenyl	*94.5*			*48.0-148*
(S) p-Terphenyl-d14	*98.5*			*37.0-146*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3742052-1 12/16/21 20:06 • (LCSD) R3742052-2 12/16/21 20:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Anthracene	0.00200	0.00206	0.00206	103	103	67.0-150			0.000	20
Acenaphthene	0.00200	0.00209	0.00209	105	105	65.0-138			0.000	20
Acenaphthylene	0.00200	0.00215	0.00217	108	108	66.0-140			0.926	20
Benzo(a)anthracene	0.00200	0.00212	0.00211	106	105	61.0-140			0.473	20
Benzo(a)pyrene	0.00200	0.00224	0.00220	112	110	60.0-143			1.80	20
Benzo(b)fluoranthene	0.00200	0.00223	0.00222	111	111	58.0-141			0.449	20
Benzo(g,h,i)perylene	0.00200	0.00166	0.00174	83.0	87.0	52.0-153			4.71	20
Benzo(k)fluoranthene	0.00200	0.00220	0.00215	110	108	58.0-148			2.30	20
Chrysene	0.00200	0.00204	0.00208	102	104	64.0-144			1.94	20
Dibenz(a,h)anthracene	0.00200	0.00168	0.00171	84.0	85.5	52.0-155			1.77	20
Fluoranthene	0.00200	0.00194	0.00200	97.0	100	69.0-153			3.05	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3742052-1 12/16/21 20:06 • (LCSD) R3742052-2 12/16/21 20:25

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Fluorene	0.00200	0.00212	0.00211	106	105	64.0-136			0.473	20
Indeno(1,2,3-cd)pyrene	0.00200	0.00193	0.00200	96.5	100	54.0-153			3.56	20
Naphthalene	0.00200	0.00196	0.00200	98.0	100	61.0-137			2.02	20
Phenanthrene	0.00200	0.00192	0.00199	96.0	99.5	62.0-137			3.58	20
Pyrene	0.00200	0.00217	0.00218	108	109	60.0-142			0.460	20
1-Methylnaphthalene	0.00200	0.00201	0.00204	100	102	66.0-142			1.48	20
2-Methylnaphthalene	0.00200	0.00204	0.00207	102	103	62.0-136			1.46	20
2-Chloronaphthalene	0.00200	0.00199	0.00203	99.5	102	64.0-140			1.99	20
(S) Nitrobenzene-d5				*106*	*106*	*31.0-160*				
(S) 2-Fluorobiphenyl				*98.5*	*99.5*	*48.0-148*				
(S) p-Terphenyl-d14				*100*	*103*	*37.0-146*				

Method Blank (MB)

(MB) R3745575-2 12/24/21 08:43

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*90.2*			*14.0-149*
(S) 2-Fluorobiphenyl	*97.5*			*34.0-125*
(S) p-Terphenyl-d14	*110*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3745575-1 12/24/21 08:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0659	82.4	50.0-126	
Acenaphthene	0.0800	0.0716	89.5	50.0-120	
Acenaphthylene	0.0800	0.0702	87.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0665	83.1	45.0-120	
Benzo(a)pyrene	0.0800	0.0696	87.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0709	88.6	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0704	88.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0720	90.0	49.0-125	
Chrysene	0.0800	0.0716	89.5	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0684	85.5	47.0-125	
Fluoranthene	0.0800	0.0678	84.8	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3745575-1 12/24/21 08:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0681	85.1	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0701	87.6	46.0-125	
Naphthalene	0.0800	0.0612	76.5	50.0-120	
Phenanthrene	0.0800	0.0725	90.6	47.0-120	
Pyrene	0.0800	0.0732	91.5	43.0-123	
1-Methylnaphthalene	0.0800	0.0730	91.3	51.0-121	
2-Methylnaphthalene	0.0800	0.0684	85.5	50.0-120	
2-Chloronaphthalene	0.0800	0.0696	87.0	50.0-120	
(S) Nitrobenzene-d5			*98.2*	*14.0-149*	
(S) 2-Fluorobiphenyl			*99.2*	*34.0-125*	
(S) p-Terphenyl-d14			*98.7*	*23.0-120*	

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
J+	The associated batch QC was outside the upper control limits; associated data has a potential positive bias.
V	The sample concentration is too high to evaluate accurate spike recoveries.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Billing Information:
Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: Valerie Weir

Email To: tweir vweir @partnersenv.com

Project Description: CCLRC-12524 Euclid Avenue

City/State Collected: East Cleveland

Phone: **800-763-1363**
Fax:

Client Project # 896.119

Lab Project #

L# L1441693

1201

Collected by (print): Tom Weir

Site/Facility ID #

P.O. #

Acctnum: **PARENVOH**

Template:

Prelogin:

TSR: **Heather Wagner**

PB:

Shipped Via:

Collected by (signature): Thomas W

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC 8260D	PAH 8270D								Remarks	Sample # (lab only)
PMW-10D (8-10ft)	GRAB	SS	8-10	12/13/21	0945	2	X	X									-01
PMW-10D (8-10ft) DUPLICATE	↓	↓	8-10	↓	0945	2	X	X									-02
PMW-101 (0-2ft)	↓	↓	0-2	↓	1020	2	X	X									-03
EQP-01	~~OT~~ GRAB	OT	–	↓	1200	4	X	X									-04
TRIP-01	LAB	LAB	–	↓	0900	1	X										-05

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other DI Water

Remarks: Ohio VAP Protocol

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP __Y __N
COC Signed/Accurate: __Y __N
Bottles arrive intact: __Y __N
Correct bottles used: __Y __N
Sufficient volume sent: __Y __N
If Applicable
VOA Zero Headspace: __Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR
Thomas W	12/13/21	1445		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
PWGH	12/13/21	1700	SWG	NSA2 3.0 ÷ 0 = 3.0 10
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:
				12/14/21 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

ANALYTICAL REPORT

January 12, 2022

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Partners Env. Consulting - Solon, OH

Sample Delivery Group:	L1449003
Samples Received:	01/08/2022
Project Number:	896.119
Description:	CCLRC - 12524 Euclid Avenue
Report To:	Valerie Weir 31100 Solon Road, Ste. G Solon, OH 44139

Entire Report Reviewed By:

Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

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PMW-100 L1449003-01 GW

Collected by: Tom Weir | Collected date/time: 01/05/22 16:10 | Received date/time: 01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1800025	1	01/11/22 00:16	01/11/22 00:16	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1800449	5	01/11/22 18:18	01/11/22 18:18	BMB	Mt. Juliet, TN

PMW-101 L1449003-02 GW

Collected by: Tom Weir | Collected date/time: 01/05/22 14:55 | Received date/time: 01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1800025	1	01/11/22 00:37	01/11/22 00:37	DWR	Mt. Juliet, TN
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1800449	1	01/11/22 17:58	01/11/22 17:58	BMB	Mt. Juliet, TN

PMW-101 DUPLICATE L1449003-03 GW

Collected by: Tom Weir | Collected date/time: 01/05/22 14:55 | Received date/time: 01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1800025	1	01/11/22 00:58	01/11/22 00:58	DWR	Mt. Juliet, TN

EQP-01 L1449003-04 GW

Collected by: Tom Weir | Collected date/time: 01/05/22 16:30 | Received date/time: 01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1800025	1	01/10/22 23:11	01/10/22 23:11	DWR	Mt. Juliet, TN

TRIP BLANK L1449003-05 GW

Collected by: Tom Weir | Collected date/time: 01/05/22 12:00 | Received date/time: 01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (GC/MS) by Method 8260B	WG1800025	1	01/10/22 22:28	01/10/22 22:28	DWR	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Heather J Wagner
Project Manager

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	1	01/11/2022 00:16	WG1800025
Acrolein	U	J+ J3	0.00254	0.0500	1	01/11/2022 00:16	WG1800025
Acrylonitrile	U		0.000671	0.0100	1	01/11/2022 00:16	WG1800025
Benzene	U		0.0000941	0.00100	1	01/11/2022 00:16	WG1800025
Bromobenzene	U		0.000118	0.00100	1	01/11/2022 00:16	WG1800025
Bromodichloromethane	U		0.000136	0.00100	1	01/11/2022 00:16	WG1800025
Bromoform	U		0.000129	0.00100	1	01/11/2022 00:16	WG1800025
Bromomethane	U		0.000605	0.00500	1	01/11/2022 00:16	WG1800025
n-Butylbenzene	U		0.000157	0.00100	1	01/11/2022 00:16	WG1800025
sec-Butylbenzene	U		0.000125	0.00100	1	01/11/2022 00:16	WG1800025
tert-Butylbenzene	U		0.000127	0.00100	1	01/11/2022 00:16	WG1800025
Carbon tetrachloride	U		0.000128	0.00100	1	01/11/2022 00:16	WG1800025
Chlorobenzene	U		0.000116	0.00100	1	01/11/2022 00:16	WG1800025
Chlorodibromomethane	U		0.000140	0.00100	1	01/11/2022 00:16	WG1800025
Chloroethane	U		0.000192	0.00500	1	01/11/2022 00:16	WG1800025
Chloroform	U		0.000111	0.00500	1	01/11/2022 00:16	WG1800025
Chloromethane	U		0.000960	0.00250	1	01/11/2022 00:16	WG1800025
2-Chlorotoluene	U		0.000106	0.00100	1	01/11/2022 00:16	WG1800025
4-Chlorotoluene	U		0.000114	0.00100	1	01/11/2022 00:16	WG1800025
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	01/11/2022 00:16	WG1800025
1,2-Dibromoethane	U		0.000126	0.00100	1	01/11/2022 00:16	WG1800025
Dibromomethane	U		0.000122	0.00100	1	01/11/2022 00:16	WG1800025
1,2-Dichlorobenzene	U		0.000107	0.00100	1	01/11/2022 00:16	WG1800025
1,3-Dichlorobenzene	U		0.000110	0.00100	1	01/11/2022 00:16	WG1800025
1,4-Dichlorobenzene	U		0.000120	0.00100	1	01/11/2022 00:16	WG1800025
Dichlorodifluoromethane	U		0.000374	0.00500	1	01/11/2022 00:16	WG1800025
1,1-Dichloroethane	U		0.000100	0.00100	1	01/11/2022 00:16	WG1800025
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/11/2022 00:16	WG1800025
1,1-Dichloroethene	0.000652	J	0.000188	0.00100	1	01/11/2022 00:16	WG1800025
cis-1,2-Dichloroethene	0.00795		0.000126	0.00100	1	01/11/2022 00:16	WG1800025
trans-1,2-Dichloroethene	0.000655	J	0.000149	0.00100	1	01/11/2022 00:16	WG1800025
1,2-Dichloropropane	U		0.000149	0.00100	1	01/11/2022 00:16	WG1800025
1,1-Dichloropropene	U		0.000142	0.00100	1	01/11/2022 00:16	WG1800025
1,3-Dichloropropane	U		0.000110	0.00100	1	01/11/2022 00:16	WG1800025
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/11/2022 00:16	WG1800025
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/11/2022 00:16	WG1800025
2,2-Dichloropropane	U		0.000161	0.00100	1	01/11/2022 00:16	WG1800025
Ethylbenzene	U		0.000137	0.00100	1	01/11/2022 00:16	WG1800025
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/11/2022 00:16	WG1800025
n-Hexane	U		0.000749	0.0100	1	01/11/2022 00:16	WG1800025
Isopropylbenzene	U		0.000105	0.00100	1	01/11/2022 00:16	WG1800025
p-Isopropyltoluene	U		0.000120	0.00100	1	01/11/2022 00:16	WG1800025
2-Butanone (MEK)	U		0.00119	0.0100	1	01/11/2022 00:16	WG1800025
Methylene Chloride	U		0.000430	0.00500	1	01/11/2022 00:16	WG1800025
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/11/2022 00:16	WG1800025
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/11/2022 00:16	WG1800025
Naphthalene	U		0.00100	0.00500	1	01/11/2022 00:16	WG1800025
n-Propylbenzene	U		0.0000993	0.00100	1	01/11/2022 00:16	WG1800025
Styrene	U		0.000118	0.00100	1	01/11/2022 00:16	WG1800025
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	01/11/2022 00:16	WG1800025
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/11/2022 00:16	WG1800025
Tetrachloroethene	U		0.000300	0.00100	1	01/11/2022 00:16	WG1800025
Toluene	U		0.000278	0.00100	1	01/11/2022 00:16	WG1800025
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	01/11/2022 00:16	WG1800025
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	01/11/2022 00:16	WG1800025
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/11/2022 00:16	WG1800025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/11/2022 00:16	WG1800025
Trichloroethene	0.401		0.000950	0.00500	5	01/11/2022 18:18	WG1800449
Trichlorofluoromethane	U		0.000160	0.00500	1	01/11/2022 00:16	WG1800025
1,2,3-Trichloropropane	U		0.000237	0.00250	1	01/11/2022 00:16	WG1800025
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/11/2022 00:16	WG1800025
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/11/2022 00:16	WG1800025
Vinyl chloride	0.000530	J	0.000234	0.00100	1	01/11/2022 00:16	WG1800025
Xylenes, Total	U		0.000174	0.00300	1	01/11/2022 00:16	WG1800025
(S) Toluene-d8	*105*			*80.0-120*		*01/11/2022 00:16*	WG1800025
(S) Toluene-d8	*102*			*80.0-120*		*01/11/2022 18:18*	WG1800449
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*01/11/2022 00:16*	WG1800025
(S) 4-Bromofluorobenzene	*100*			*77.0-126*		*01/11/2022 18:18*	WG1800449
(S) 1,2-Dichloroethane-d4	*91.3*			*70.0-130*		*01/11/2022 00:16*	WG1800025
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*01/11/2022 18:18*	WG1800449

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	1	01/11/2022 00:37	WG1800025
Acrolein	U	J+ J3	0.00254	0.0500	1	01/11/2022 00:37	WG1800025
Acrylonitrile	U		0.000671	0.0100	1	01/11/2022 00:37	WG1800025
Benzene	U		0.0000941	0.00100	1	01/11/2022 00:37	WG1800025
Bromobenzene	U		0.000118	0.00100	1	01/11/2022 00:37	WG1800025
Bromodichloromethane	U		0.000136	0.00100	1	01/11/2022 00:37	WG1800025
Bromoform	U		0.000129	0.00100	1	01/11/2022 00:37	WG1800025
Bromomethane	U		0.000605	0.00500	1	01/11/2022 00:37	WG1800025
n-Butylbenzene	U		0.000157	0.00100	1	01/11/2022 00:37	WG1800025
sec-Butylbenzene	U		0.000125	0.00100	1	01/11/2022 00:37	WG1800025
tert-Butylbenzene	U		0.000127	0.00100	1	01/11/2022 00:37	WG1800025
Carbon tetrachloride	U		0.000128	0.00100	1	01/11/2022 00:37	WG1800025
Chlorobenzene	U		0.000116	0.00100	1	01/11/2022 00:37	WG1800025
Chlorodibromomethane	U		0.000140	0.00100	1	01/11/2022 00:37	WG1800025
Chloroethane	U		0.000192	0.00500	1	01/11/2022 00:37	WG1800025
Chloroform	U		0.000111	0.00500	1	01/11/2022 00:37	WG1800025
Chloromethane	U		0.000960	0.00250	1	01/11/2022 00:37	WG1800025
2-Chlorotoluene	U		0.000106	0.00100	1	01/11/2022 00:37	WG1800025
4-Chlorotoluene	U		0.000114	0.00100	1	01/11/2022 00:37	WG1800025
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	01/11/2022 00:37	WG1800025
1,2-Dibromoethane	U		0.000126	0.00100	1	01/11/2022 00:37	WG1800025
Dibromomethane	U		0.000122	0.00100	1	01/11/2022 00:37	WG1800025
1,2-Dichlorobenzene	U		0.000107	0.00100	1	01/11/2022 00:37	WG1800025
1,3-Dichlorobenzene	U		0.000110	0.00100	1	01/11/2022 00:37	WG1800025
1,4-Dichlorobenzene	U		0.000120	0.00100	1	01/11/2022 00:37	WG1800025
Dichlorodifluoromethane	U		0.000374	0.00500	1	01/11/2022 00:37	WG1800025
1,1-Dichloroethane	U		0.000100	0.00100	1	01/11/2022 00:37	WG1800025
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/11/2022 00:37	WG1800025
1,1-Dichloroethene	U		0.000188	0.00100	1	01/11/2022 00:37	WG1800025
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/11/2022 00:37	WG1800025
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/11/2022 00:37	WG1800025
1,2-Dichloropropane	U		0.000149	0.00100	1	01/11/2022 00:37	WG1800025
1,1-Dichloropropene	U		0.000142	0.00100	1	01/11/2022 00:37	WG1800025
1,3-Dichloropropane	U		0.000110	0.00100	1	01/11/2022 00:37	WG1800025
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/11/2022 00:37	WG1800025
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/11/2022 00:37	WG1800025
2,2-Dichloropropane	U		0.000161	0.00100	1	01/11/2022 00:37	WG1800025
Ethylbenzene	U		0.000137	0.00100	1	01/11/2022 00:37	WG1800025
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/11/2022 00:37	WG1800025
n-Hexane	U		0.000749	0.0100	1	01/11/2022 00:37	WG1800025
Isopropylbenzene	U		0.000105	0.00100	1	01/11/2022 00:37	WG1800025
p-Isopropyltoluene	U		0.000120	0.00100	1	01/11/2022 00:37	WG1800025
2-Butanone (MEK)	U		0.00119	0.0100	1	01/11/2022 00:37	WG1800025
Methylene Chloride	U		0.000430	0.00500	1	01/11/2022 00:37	WG1800025
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/11/2022 00:37	WG1800025
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/11/2022 00:37	WG1800025
Naphthalene	U		0.00100	0.00500	1	01/11/2022 00:37	WG1800025
n-Propylbenzene	U		0.0000993	0.00100	1	01/11/2022 00:37	WG1800025
Styrene	U		0.000118	0.00100	1	01/11/2022 00:37	WG1800025
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	01/11/2022 00:37	WG1800025
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/11/2022 00:37	WG1800025
Tetrachloroethene	U		0.000300	0.00100	1	01/11/2022 00:37	WG1800025
Toluene	U		0.000278	0.00100	1	01/11/2022 00:37	WG1800025
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	01/11/2022 00:37	WG1800025
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	01/11/2022 00:37	WG1800025
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/11/2022 00:37	WG1800025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/11/2022 00:37	WG1800025
Trichloroethene	U		0.000190	0.00100	1	01/11/2022 17:58	WG1800449
Trichlorofluoromethane	U		0.000160	0.00500	1	01/11/2022 00:37	WG1800025
1,2,3-Trichloropropane	U		0.000237	0.00250	1	01/11/2022 00:37	WG1800025
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/11/2022 00:37	WG1800025
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/11/2022 00:37	WG1800025
Vinyl chloride	U		0.000234	0.00100	1	01/11/2022 00:37	WG1800025
Xylenes, Total	U		0.000174	0.00300	1	01/11/2022 00:37	WG1800025
(S) Toluene-d8	*108*			*80.0-120*		*01/11/2022 00:37*	WG1800025
(S) Toluene-d8	*105*			*80.0-120*		*01/11/2022 17:58*	WG1800449
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*01/11/2022 00:37*	WG1800025
(S) 4-Bromofluorobenzene	*103*			*77.0-126*		*01/11/2022 17:58*	WG1800449
(S) 1,2-Dichloroethane-d4	*90.4*			*70.0-130*		*01/11/2022 00:37*	WG1800025
(S) 1,2-Dichloroethane-d4	*104*			*70.0-130*		*01/11/2022 17:58*	WG1800449

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	1	01/11/2022 00:58	WG1800025
Acrolein	U	J+ J3	0.00254	0.0500	1	01/11/2022 00:58	WG1800025
Acrylonitrile	U		0.000671	0.0100	1	01/11/2022 00:58	WG1800025
Benzene	U		0.0000941	0.00100	1	01/11/2022 00:58	WG1800025
Bromobenzene	U		0.000118	0.00100	1	01/11/2022 00:58	WG1800025
Bromodichloromethane	U		0.000136	0.00100	1	01/11/2022 00:58	WG1800025
Bromoform	U		0.000129	0.00100	1	01/11/2022 00:58	WG1800025
Bromomethane	U		0.000605	0.00500	1	01/11/2022 00:58	WG1800025
n-Butylbenzene	U		0.000157	0.00100	1	01/11/2022 00:58	WG1800025
sec-Butylbenzene	U		0.000125	0.00100	1	01/11/2022 00:58	WG1800025
tert-Butylbenzene	U		0.000127	0.00100	1	01/11/2022 00:58	WG1800025
Carbon tetrachloride	U		0.000128	0.00100	1	01/11/2022 00:58	WG1800025
Chlorobenzene	U		0.000116	0.00100	1	01/11/2022 00:58	WG1800025
Chlorodibromomethane	U		0.000140	0.00100	1	01/11/2022 00:58	WG1800025
Chloroethane	U		0.000192	0.00500	1	01/11/2022 00:58	WG1800025
Chloroform	U		0.000111	0.00500	1	01/11/2022 00:58	WG1800025
Chloromethane	U		0.000960	0.00250	1	01/11/2022 00:58	WG1800025
2-Chlorotoluene	U		0.000106	0.00100	1	01/11/2022 00:58	WG1800025
4-Chlorotoluene	U		0.000114	0.00100	1	01/11/2022 00:58	WG1800025
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	01/11/2022 00:58	WG1800025
1,2-Dibromoethane	U		0.000126	0.00100	1	01/11/2022 00:58	WG1800025
Dibromomethane	U		0.000122	0.00100	1	01/11/2022 00:58	WG1800025
1,2-Dichlorobenzene	U		0.000107	0.00100	1	01/11/2022 00:58	WG1800025
1,3-Dichlorobenzene	U		0.000110	0.00100	1	01/11/2022 00:58	WG1800025
1,4-Dichlorobenzene	U		0.000120	0.00100	1	01/11/2022 00:58	WG1800025
Dichlorodifluoromethane	U		0.000374	0.00500	1	01/11/2022 00:58	WG1800025
1,1-Dichloroethane	U		0.000100	0.00100	1	01/11/2022 00:58	WG1800025
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/11/2022 00:58	WG1800025
1,1-Dichloroethene	U		0.000188	0.00100	1	01/11/2022 00:58	WG1800025
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/11/2022 00:58	WG1800025
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/11/2022 00:58	WG1800025
1,2-Dichloropropane	U		0.000149	0.00100	1	01/11/2022 00:58	WG1800025
1,1-Dichloropropene	U		0.000142	0.00100	1	01/11/2022 00:58	WG1800025
1,3-Dichloropropane	U		0.000110	0.00100	1	01/11/2022 00:58	WG1800025
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/11/2022 00:58	WG1800025
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/11/2022 00:58	WG1800025
2,2-Dichloropropane	U		0.000161	0.00100	1	01/11/2022 00:58	WG1800025
Ethylbenzene	U		0.000137	0.00100	1	01/11/2022 00:58	WG1800025
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/11/2022 00:58	WG1800025
n-Hexane	U		0.000749	0.0100	1	01/11/2022 00:58	WG1800025
Isopropylbenzene	U		0.000105	0.00100	1	01/11/2022 00:58	WG1800025
p-Isopropyltoluene	U		0.000120	0.00100	1	01/11/2022 00:58	WG1800025
2-Butanone (MEK)	U		0.00119	0.0100	1	01/11/2022 00:58	WG1800025
Methylene Chloride	U		0.000430	0.00500	1	01/11/2022 00:58	WG1800025
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/11/2022 00:58	WG1800025
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/11/2022 00:58	WG1800025
Naphthalene	U		0.00100	0.00500	1	01/11/2022 00:58	WG1800025
n-Propylbenzene	U		0.0000993	0.00100	1	01/11/2022 00:58	WG1800025
Styrene	U		0.000118	0.00100	1	01/11/2022 00:58	WG1800025
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	01/11/2022 00:58	WG1800025
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/11/2022 00:58	WG1800025
Tetrachloroethene	U		0.000300	0.00100	1	01/11/2022 00:58	WG1800025
Toluene	U		0.000278	0.00100	1	01/11/2022 00:58	WG1800025
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	01/11/2022 00:58	WG1800025
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	01/11/2022 00:58	WG1800025
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/11/2022 00:58	WG1800025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/11/2022 00:58	WG1800025
Trichloroethene	U		0.000190	0.00100	1	01/11/2022 00:58	WG1800025
Trichlorofluoromethane	U		0.000160	0.00500	1	01/11/2022 00:58	WG1800025
1,2,3-Trichloropropane	U		0.000237	0.00250	1	01/11/2022 00:58	WG1800025
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/11/2022 00:58	WG1800025
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/11/2022 00:58	WG1800025
Vinyl chloride	U		0.000234	0.00100	1	01/11/2022 00:58	WG1800025
Xylenes, Total	U		0.000174	0.00300	1	01/11/2022 00:58	WG1800025
(S) Toluene-d8	*110*			*80.0-120*		*01/11/2022 00:58*	WG1800025
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/11/2022 00:58*	WG1800025
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*01/11/2022 00:58*	WG1800025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	0.0133	J J3	0.0113	0.0500	1	01/10/2022 23:11	WG1800025
Acrolein	U	J+ J3	0.00254	0.0500	1	01/10/2022 23:11	WG1800025
Acrylonitrile	U		0.000671	0.0100	1	01/10/2022 23:11	WG1800025
Benzene	U		0.0000941	0.00100	1	01/10/2022 23:11	WG1800025
Bromobenzene	U		0.000118	0.00100	1	01/10/2022 23:11	WG1800025
Bromodichloromethane	U		0.000136	0.00100	1	01/10/2022 23:11	WG1800025
Bromoform	U		0.000129	0.00100	1	01/10/2022 23:11	WG1800025
Bromomethane	U		0.000605	0.00500	1	01/10/2022 23:11	WG1800025
n-Butylbenzene	U		0.000157	0.00100	1	01/10/2022 23:11	WG1800025
sec-Butylbenzene	U		0.000125	0.00100	1	01/10/2022 23:11	WG1800025
tert-Butylbenzene	U		0.000127	0.00100	1	01/10/2022 23:11	WG1800025
Carbon tetrachloride	U		0.000128	0.00100	1	01/10/2022 23:11	WG1800025
Chlorobenzene	U		0.000116	0.00100	1	01/10/2022 23:11	WG1800025
Chlorodibromomethane	U		0.000140	0.00100	1	01/10/2022 23:11	WG1800025
Chloroethane	U		0.000192	0.00500	1	01/10/2022 23:11	WG1800025
Chloroform	U		0.000111	0.00500	1	01/10/2022 23:11	WG1800025
Chloromethane	U		0.000960	0.00250	1	01/10/2022 23:11	WG1800025
2-Chlorotoluene	U		0.000106	0.00100	1	01/10/2022 23:11	WG1800025
4-Chlorotoluene	U		0.000114	0.00100	1	01/10/2022 23:11	WG1800025
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	01/10/2022 23:11	WG1800025
1,2-Dibromoethane	U		0.000126	0.00100	1	01/10/2022 23:11	WG1800025
Dibromomethane	U		0.000122	0.00100	1	01/10/2022 23:11	WG1800025
1,2-Dichlorobenzene	U		0.000107	0.00100	1	01/10/2022 23:11	WG1800025
1,3-Dichlorobenzene	U		0.000110	0.00100	1	01/10/2022 23:11	WG1800025
1,4-Dichlorobenzene	U		0.000120	0.00100	1	01/10/2022 23:11	WG1800025
Dichlorodifluoromethane	U		0.000374	0.00500	1	01/10/2022 23:11	WG1800025
1,1-Dichloroethane	U		0.000100	0.00100	1	01/10/2022 23:11	WG1800025
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/10/2022 23:11	WG1800025
1,1-Dichloroethene	U		0.000188	0.00100	1	01/10/2022 23:11	WG1800025
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/10/2022 23:11	WG1800025
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/10/2022 23:11	WG1800025
1,2-Dichloropropane	U		0.000149	0.00100	1	01/10/2022 23:11	WG1800025
1,1-Dichloropropene	U		0.000142	0.00100	1	01/10/2022 23:11	WG1800025
1,3-Dichloropropane	U		0.000110	0.00100	1	01/10/2022 23:11	WG1800025
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/10/2022 23:11	WG1800025
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/10/2022 23:11	WG1800025
2,2-Dichloropropane	U		0.000161	0.00100	1	01/10/2022 23:11	WG1800025
Ethylbenzene	U		0.000137	0.00100	1	01/10/2022 23:11	WG1800025
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/10/2022 23:11	WG1800025
n-Hexane	U		0.000749	0.0100	1	01/10/2022 23:11	WG1800025
Isopropylbenzene	U		0.000105	0.00100	1	01/10/2022 23:11	WG1800025
p-Isopropyltoluene	U		0.000120	0.00100	1	01/10/2022 23:11	WG1800025
2-Butanone (MEK)	U		0.00119	0.0100	1	01/10/2022 23:11	WG1800025
Methylene Chloride	U		0.000430	0.00500	1	01/10/2022 23:11	WG1800025
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/10/2022 23:11	WG1800025
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/10/2022 23:11	WG1800025
Naphthalene	U		0.00100	0.00500	1	01/10/2022 23:11	WG1800025
n-Propylbenzene	U		0.0000993	0.00100	1	01/10/2022 23:11	WG1800025
Styrene	U		0.000118	0.00100	1	01/10/2022 23:11	WG1800025
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	01/10/2022 23:11	WG1800025
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/10/2022 23:11	WG1800025
Tetrachloroethene	U		0.000300	0.00100	1	01/10/2022 23:11	WG1800025
Toluene	U		0.000278	0.00100	1	01/10/2022 23:11	WG1800025
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	01/10/2022 23:11	WG1800025
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	01/10/2022 23:11	WG1800025
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/10/2022 23:11	WG1800025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/10/2022 23:11	WG1800025
Trichloroethene	U		0.000190	0.00100	1	01/10/2022 23:11	WG1800025
Trichlorofluoromethane	U		0.000160	0.00500	1	01/10/2022 23:11	WG1800025
1,2,3-Trichloropropane	U		0.000237	0.00250	1	01/10/2022 23:11	WG1800025
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/10/2022 23:11	WG1800025
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/10/2022 23:11	WG1800025
Vinyl chloride	U		0.000234	0.00100	1	01/10/2022 23:11	WG1800025
Xylenes, Total	U		0.000174	0.00300	1	01/10/2022 23:11	WG1800025
(S) Toluene-d8	*108*			*80.0-120*		*01/10/2022 23:11*	WG1800025
(S) 4-Bromofluorobenzene	*105*			*77.0-126*		*01/10/2022 23:11*	WG1800025
(S) 1,2-Dichloroethane-d4	*90.8*			*70.0-130*		*01/10/2022 23:11*	WG1800025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
Acetone	U	J3	0.0113	0.0500	1	01/10/2022 22:28	WG1800025
Acrolein	U	J+ J3	0.00254	0.0500	1	01/10/2022 22:28	WG1800025
Acrylonitrile	U		0.000671	0.0100	1	01/10/2022 22:28	WG1800025
Benzene	U		0.0000941	0.00100	1	01/10/2022 22:28	WG1800025
Bromobenzene	U		0.000118	0.00100	1	01/10/2022 22:28	WG1800025
Bromodichloromethane	U		0.000136	0.00100	1	01/10/2022 22:28	WG1800025
Bromoform	U		0.000129	0.00100	1	01/10/2022 22:28	WG1800025
Bromomethane	U		0.000605	0.00500	1	01/10/2022 22:28	WG1800025
n-Butylbenzene	U		0.000157	0.00100	1	01/10/2022 22:28	WG1800025
sec-Butylbenzene	U		0.000125	0.00100	1	01/10/2022 22:28	WG1800025
tert-Butylbenzene	U		0.000127	0.00100	1	01/10/2022 22:28	WG1800025
Carbon tetrachloride	U		0.000128	0.00100	1	01/10/2022 22:28	WG1800025
Chlorobenzene	U		0.000116	0.00100	1	01/10/2022 22:28	WG1800025
Chlorodibromomethane	U		0.000140	0.00100	1	01/10/2022 22:28	WG1800025
Chloroethane	U		0.000192	0.00500	1	01/10/2022 22:28	WG1800025
Chloroform	U		0.000111	0.00500	1	01/10/2022 22:28	WG1800025
Chloromethane	U		0.000960	0.00250	1	01/10/2022 22:28	WG1800025
2-Chlorotoluene	U		0.000106	0.00100	1	01/10/2022 22:28	WG1800025
4-Chlorotoluene	U		0.000114	0.00100	1	01/10/2022 22:28	WG1800025
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500	1	01/10/2022 22:28	WG1800025
1,2-Dibromoethane	U		0.000126	0.00100	1	01/10/2022 22:28	WG1800025
Dibromomethane	U		0.000122	0.00100	1	01/10/2022 22:28	WG1800025
1,2-Dichlorobenzene	U		0.000107	0.00100	1	01/10/2022 22:28	WG1800025
1,3-Dichlorobenzene	U		0.000110	0.00100	1	01/10/2022 22:28	WG1800025
1,4-Dichlorobenzene	U		0.000120	0.00100	1	01/10/2022 22:28	WG1800025
Dichlorodifluoromethane	U		0.000374	0.00500	1	01/10/2022 22:28	WG1800025
1,1-Dichloroethane	U		0.000100	0.00100	1	01/10/2022 22:28	WG1800025
1,2-Dichloroethane	U		0.0000819	0.00100	1	01/10/2022 22:28	WG1800025
1,1-Dichloroethene	U		0.000188	0.00100	1	01/10/2022 22:28	WG1800025
cis-1,2-Dichloroethene	U		0.000126	0.00100	1	01/10/2022 22:28	WG1800025
trans-1,2-Dichloroethene	U		0.000149	0.00100	1	01/10/2022 22:28	WG1800025
1,2-Dichloropropane	U		0.000149	0.00100	1	01/10/2022 22:28	WG1800025
1,1-Dichloropropene	U		0.000142	0.00100	1	01/10/2022 22:28	WG1800025
1,3-Dichloropropane	U		0.000110	0.00100	1	01/10/2022 22:28	WG1800025
cis-1,3-Dichloropropene	U		0.000111	0.00100	1	01/10/2022 22:28	WG1800025
trans-1,3-Dichloropropene	U		0.000118	0.00100	1	01/10/2022 22:28	WG1800025
2,2-Dichloropropane	U		0.000161	0.00100	1	01/10/2022 22:28	WG1800025
Ethylbenzene	U		0.000137	0.00100	1	01/10/2022 22:28	WG1800025
Hexachloro-1,3-butadiene	U		0.000337	0.00100	1	01/10/2022 22:28	WG1800025
n-Hexane	U		0.000749	0.0100	1	01/10/2022 22:28	WG1800025
Isopropylbenzene	U		0.000105	0.00100	1	01/10/2022 22:28	WG1800025
p-Isopropyltoluene	U		0.000120	0.00100	1	01/10/2022 22:28	WG1800025
2-Butanone (MEK)	U		0.00119	0.0100	1	01/10/2022 22:28	WG1800025
Methylene Chloride	U		0.000430	0.00500	1	01/10/2022 22:28	WG1800025
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100	1	01/10/2022 22:28	WG1800025
Methyl tert-butyl ether	U		0.000101	0.00100	1	01/10/2022 22:28	WG1800025
Naphthalene	U		0.00100	0.00500	1	01/10/2022 22:28	WG1800025
n-Propylbenzene	U		0.0000993	0.00100	1	01/10/2022 22:28	WG1800025
Styrene	U		0.000118	0.00100	1	01/10/2022 22:28	WG1800025
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100	1	01/10/2022 22:28	WG1800025
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100	1	01/10/2022 22:28	WG1800025
Tetrachloroethene	U		0.000300	0.00100	1	01/10/2022 22:28	WG1800025
Toluene	U		0.000278	0.00100	1	01/10/2022 22:28	WG1800025
1,2,3-Trichlorobenzene	U		0.000230	0.00100	1	01/10/2022 22:28	WG1800025
1,2,4-Trichlorobenzene	U		0.000481	0.00100	1	01/10/2022 22:28	WG1800025
1,1,1-Trichloroethane	U		0.000149	0.00100	1	01/10/2022 22:28	WG1800025

Volatile Organic Compounds (GC/MS) by Method 8260B

Analyte	Result mg/l	Qualifier	MDL mg/l	RDL mg/l	Dilution	Analysis date / time	Batch
1,1,2-Trichloroethane	U		0.000158	0.00100	1	01/10/2022 22:28	WG1800025
Trichloroethene	U		0.000190	0.00100	1	01/10/2022 22:28	WG1800025
Trichlorofluoromethane	U		0.000160	0.00500	1	01/10/2022 22:28	WG1800025
1,2,3-Trichloropropane	U		0.000237	0.00250	1	01/10/2022 22:28	WG1800025
1,2,4-Trimethylbenzene	U		0.000322	0.00100	1	01/10/2022 22:28	WG1800025
1,3,5-Trimethylbenzene	U		0.000104	0.00100	1	01/10/2022 22:28	WG1800025
Vinyl chloride	U		0.000234	0.00100	1	01/10/2022 22:28	WG1800025
Xylenes, Total	U		0.000174	0.00300	1	01/10/2022 22:28	WG1800025
(S) Toluene-d8	*108*			*80.0-120*		*01/10/2022 22:28*	WG1800025
(S) 4-Bromofluorobenzene	*104*			*77.0-126*		*01/10/2022 22:28*	WG1800025
(S) 1,2-Dichloroethane-d4	*91.6*			*70.0-130*		*01/10/2022 22:28*	WG1800025

Method Blank (MB)

(MB) R3748897-3 01/10/22 21:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Acetone	U		0.0113	0.0500
Acrolein	U		0.00254	0.0500
Acrylonitrile	U		0.000671	0.0100
Benzene	U		0.0000941	0.00100
Bromobenzene	U		0.000118	0.00100
Bromodichloromethane	U		0.000136	0.00100
Bromoform	U		0.000129	0.00100
Bromomethane	U		0.000605	0.00500
n-Butylbenzene	U		0.000157	0.00100
sec-Butylbenzene	U		0.000125	0.00100
tert-Butylbenzene	U		0.000127	0.00100
Carbon tetrachloride	U		0.000128	0.00100
Chlorobenzene	U		0.000116	0.00100
Chlorodibromomethane	U		0.000140	0.00100
Chloroethane	U		0.000192	0.00500
Chloroform	U		0.000111	0.00500
Chloromethane	U		0.000960	0.00250
2-Chlorotoluene	U		0.000106	0.00100
4-Chlorotoluene	U		0.000114	0.00100
1,2-Dibromo-3-Chloropropane	U		0.000276	0.00500
1,2-Dibromoethane	U		0.000126	0.00100
Dibromomethane	U		0.000122	0.00100
1,2-Dichlorobenzene	U		0.000107	0.00100
1,3-Dichlorobenzene	U		0.000110	0.00100
1,4-Dichlorobenzene	U		0.000120	0.00100
Dichlorodifluoromethane	U		0.000374	0.00500
1,1-Dichloroethane	U		0.000100	0.00100
1,2-Dichloroethane	U		0.0000819	0.00100
1,1-Dichloroethene	U		0.000188	0.00100
cis-1,2-Dichloroethene	U		0.000126	0.00100
trans-1,2-Dichloroethene	U		0.000149	0.00100
1,2-Dichloropropane	U		0.000149	0.00100
1,1-Dichloropropene	U		0.000142	0.00100
1,3-Dichloropropane	U		0.000110	0.00100
cis-1,3-Dichloropropene	U		0.000111	0.00100
trans-1,3-Dichloropropene	U		0.000118	0.00100
2,2-Dichloropropane	U		0.000161	0.00100
Ethylbenzene	U		0.000137	0.00100
Hexachloro-1,3-butadiene	U		0.000337	0.00100
n-Hexane	U		0.000749	0.0100

Method Blank (MB)

(MB) R3748897-3 01/10/22 21:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Isopropylbenzene	U		0.000105	0.00100
p-Isopropyltoluene	U		0.000120	0.00100
2-Butanone (MEK)	U		0.00119	0.0100
Methylene Chloride	U		0.000430	0.00500
4-Methyl-2-pentanone (MIBK)	U		0.000478	0.0100
Methyl tert-butyl ether	U		0.000101	0.00100
Naphthalene	U		0.00100	0.00500
n-Propylbenzene	U		0.0000993	0.00100
Styrene	U		0.000118	0.00100
1,1,1,2-Tetrachloroethane	U		0.000147	0.00100
1,1,2,2-Tetrachloroethane	U		0.000133	0.00100
Tetrachloroethene	U		0.000300	0.00100
Toluene	U		0.000278	0.00100
1,2,3-Trichlorobenzene	U		0.000230	0.00100
1,2,4-Trichlorobenzene	U		0.000481	0.00100
1,1,1-Trichloroethane	U		0.000149	0.00100
1,1,2-Trichloroethane	U		0.000158	0.00100
Trichloroethene	U		0.000190	0.00100
Trichlorofluoromethane	U		0.000160	0.00500
1,2,3-Trichloropropane	U		0.000237	0.00250
1,2,4-Trimethylbenzene	U		0.000322	0.00100
1,3,5-Trimethylbenzene	U		0.000104	0.00100
Vinyl chloride	U		0.000234	0.00100
Xylenes, Total	U		0.000174	0.00300
(S) Toluene-d8	*109*			*80.0-120*
(S) 4-Bromofluorobenzene	*104*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*91.0*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3748897-1 01/10/22 19:52 • (LCSD) R3748897-2 01/10/22 20:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Acetone	0.0250	0.0244	0.0322	97.6	129	19.0-160		J3	27.6	27
Acrolein	0.0250	0.0353	0.0476	141	190	10.0-160		J3 J4	29.7	26
Acrylonitrile	0.0250	0.0253	0.0259	101	104	55.0-149			2.34	20
Benzene	0.00500	0.00507	0.00488	101	97.6	70.0-123			3.82	20
Bromobenzene	0.00500	0.00467	0.00441	93.4	88.2	73.0-121			5.73	20
Bromodichloromethane	0.00500	0.00460	0.00435	92.0	87.0	75.0-120			5.59	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3748897-1 01/10/22 19:52 • (LCSD) R3748897-2 01/10/22 20:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Bromoform	0.00500	0.00479	0.00481	95.8	96.2	68.0-132			0.417	20
Bromomethane	0.00500	0.00500	0.00455	100	91.0	10.0-160			9.42	25
n-Butylbenzene	0.00500	0.00473	0.00487	94.6	97.4	73.0-125			2.92	20
sec-Butylbenzene	0.00500	0.00453	0.00445	90.6	89.0	75.0-125			1.78	20
tert-Butylbenzene	0.00500	0.00525	0.00521	105	104	76.0-124			0.765	20
Carbon tetrachloride	0.00500	0.00516	0.00484	103	96.8	68.0-126			6.40	20
Chlorobenzene	0.00500	0.00547	0.00528	109	106	80.0-121			3.53	20
Chlorodibromomethane	0.00500	0.00496	0.00480	99.2	96.0	77.0-125			3.28	20
Chloroethane	0.00500	0.00536	0.00485	107	97.0	47.0-150			9.99	20
Chloroform	0.00500	0.00496	0.00483	99.2	96.6	73.0-120			2.66	20
Chloromethane	0.00500	0.00449	0.00446	89.8	89.2	41.0-142			0.670	20
2-Chlorotoluene	0.00500	0.00494	0.00482	98.8	96.4	76.0-123			2.46	20
4-Chlorotoluene	0.00500	0.00484	0.00477	96.8	95.4	75.0-122			1.46	20
1,2-Dibromo-3-Chloropropane	0.00500	0.00437	0.00431	87.4	86.2	58.0-134			1.38	20
1,2-Dibromoethane	0.00500	0.00516	0.00512	103	102	80.0-122			0.778	20
Dibromomethane	0.00500	0.00486	0.00471	97.2	94.2	80.0-120			3.13	20
1,2-Dichlorobenzene	0.00500	0.00530	0.00546	106	109	79.0-121			2.97	20
1,3-Dichlorobenzene	0.00500	0.00528	0.00512	106	102	79.0-120			3.08	20
1,4-Dichlorobenzene	0.00500	0.00522	0.00538	104	108	79.0-120			3.02	20
Dichlorodifluoromethane	0.00500	0.00529	0.00516	106	103	51.0-149			2.49	20
1,1-Dichloroethane	0.00500	0.00500	0.00493	100	98.6	70.0-126			1.41	20
1,2-Dichloroethane	0.00500	0.00509	0.00496	102	99.2	70.0-128			2.59	20
1,1-Dichloroethene	0.00500	0.00511	0.00487	102	97.4	71.0-124			4.81	20
cis-1,2-Dichloroethene	0.00500	0.00531	0.00486	106	97.2	73.0-120			8.85	20
trans-1,2-Dichloroethene	0.00500	0.00540	0.00505	108	101	73.0-120			6.70	20
1,2-Dichloropropane	0.00500	0.00497	0.00481	99.4	96.2	77.0-125			3.27	20
1,1-Dichloropropene	0.00500	0.00534	0.00514	107	103	74.0-126			3.82	20
1,3-Dichloropropane	0.00500	0.00507	0.00515	101	103	80.0-120			1.57	20
cis-1,3-Dichloropropene	0.00500	0.00457	0.00457	91.4	91.4	80.0-123			0.000	20
trans-1,3-Dichloropropene	0.00500	0.00465	0.00456	93.0	91.2	78.0-124			1.95	20
2,2-Dichloropropane	0.00500	0.00499	0.00431	99.8	86.2	58.0-130			14.6	20
Ethylbenzene	0.00500	0.00546	0.00533	109	107	79.0-123			2.41	20
Hexachloro-1,3-butadiene	0.00500	0.00540	0.00599	108	120	54.0-138			10.4	20
n-Hexane	0.00500	0.00513	0.00510	103	102	57.0-133			0.587	20
Isopropylbenzene	0.00500	0.00558	0.00562	112	112	76.0-127			0.714	20
p-Isopropyltoluene	0.00500	0.00523	0.00518	105	104	76.0-125			0.961	20
2-Butanone (MEK)	0.0250	0.0256	0.0272	102	109	44.0-160			6.06	20
Methylene Chloride	0.00500	0.00491	0.00507	98.2	101	67.0-120			3.21	20
4-Methyl-2-pentanone (MIBK)	0.0250	0.0262	0.0265	105	106	68.0-142			1.14	20
Methyl tert-butyl ether	0.00500	0.00496	0.00500	99.2	100	68.0-125			0.803	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3748897-1 01/10/22 19:52 • (LCSD) R3748897-2 01/10/22 20:16

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Naphthalene	0.00500	0.00422	0.00467	84.4	93.4	54.0-135			10.1	20
n-Propylbenzene	0.00500	0.00493	0.00478	98.6	95.6	77.0-124			3.09	20
Styrene	0.00500	0.00528	0.00520	106	104	73.0-130			1.53	20
1,1,1,2-Tetrachloroethane	0.00500	0.00546	0.00543	109	109	75.0-125			0.551	20
1,1,2,2-Tetrachloroethane	0.00500	0.00456	0.00425	91.2	85.0	65.0-130			7.04	20
Tetrachloroethene	0.00500	0.00616	0.00625	123	125	72.0-132			1.45	20
Toluene	0.00500	0.00536	0.00515	107	103	79.0-120			4.00	20
1,2,3-Trichlorobenzene	0.00500	0.00444	0.00502	88.8	100	50.0-138			12.3	20
1,2,4-Trichlorobenzene	0.00500	0.00495	0.00555	99.0	111	57.0-137			11.4	20
1,1,1-Trichloroethane	0.00500	0.00532	0.00496	106	99.2	73.0-124			7.00	20
1,1,2-Trichloroethane	0.00500	0.00515	0.00497	103	99.4	80.0-120			3.56	20
Trichloroethene	0.00500	0.00544	0.00526	109	105	78.0-124			3.36	20
Trichlorofluoromethane	0.00500	0.00505	0.00517	101	103	59.0-147			2.35	20
1,2,3-Trichloropropane	0.00500	0.00508	0.00476	102	95.2	73.0-130			6.50	20
1,2,4-Trimethylbenzene	0.00500	0.00492	0.00484	98.4	96.8	76.0-121			1.64	20
1,3,5-Trimethylbenzene	0.00500	0.00498	0.00486	99.6	97.2	76.0-122			2.44	20
Vinyl chloride	0.00500	0.00509	0.00491	102	98.2	67.0-131			3.60	20
Xylenes, Total	0.0150	0.0168	0.0163	112	109	79.0-123			3.02	20
(S) Toluene-d8				*106*	*107*	*80.0-120*				
(S) 4-Bromofluorobenzene				*103*	*103*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*92.1*	*89.9*	*70.0-130*				

QUALITY CONTROL SUMMARY

L1449003-01,02

Method Blank (MB)

(MB) R3749023-2 01/11/22 09:56

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Trichloroethene	U		0.000190	0.00100
(S) Toluene-d8	*106*			*80.0-120*
(S) 4-Bromofluorobenzene	*103*			*77.0-126*
(S) 1,2-Dichloroethane-d4	*93.4*			*70.0-130*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3749023-1 01/11/22 08:55 • (LCSD) R3749023-3 01/11/22 11:52

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethene	0.00500	0.00534	0.00490	107	98.0	78.0-124			8.59	20
(S) Toluene-d8				*101*	*103*	*80.0-120*				
(S) 4-Bromofluorobenzene				*102*	*101*	*77.0-126*				
(S) 1,2-Dichloroethane-d4				*94.6*	*96.8*	*70.0-130*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J+	The associated batch QC was outside the upper control limits; associated data has a potential positive bias.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Billing Information:
Partners Environmental Consulting, Inc.
31100 Solon Road, Suite G
Solon, OH 44319

Pres Chk

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical®
National Center for Testing & Innovation

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

Report to: VALERIE WEIR

Email To: TWEIR VWEIR @partnersenv.com

Project Description: CCLRC-12524 EUCLID AVENUE

City/State Collected: EAST CLEVELAND OHIO

Phone: **800-763-1363**
Fax:

Client Project # 896.119

Lab Project #

L # 1449003

G146

Collected by (print): TOM WEIR

Site/Facility ID #

P.O. #

Acctnum: **PARENVOH**

Template:

Prelogin:

TSR: **Heather Wagner**

PB:

Shipped Via:

Collected by (signature): THOMAS W

Immediately Packed on Ice N ___ Y 6

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	VOC 8260									Remarks	Sample # (lab only)
PMW-100	GRAB	GW	–	1/5/22	1610	2	X										-01
PMW-101	↓	↓	–	↓	1455	2	X										-02
PMW-101 DUPLICATE	↓	↓	–	↓	1455	2	X										-03
EAP-01	↓	OT	–	↓	1630	2	X										-04
TRIP BLANK	LAB	LAB	–	↓	1200	1	X										-05

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: OHIO VAP PROTOCOL

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier __ _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: ✓ NP __Y __N
COC Signed/Accurate: ✓ Y __N
Bottles arrive intact: ✓ Y __N
Correct bottles used: ✓ Y __N
Sufficient volume sent: ✓ Y __N
If Applicable
VOA Zero Headspace: ✓ Y __N
Preservation Correct/Checked: __Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeOH TBR	
THOMAS W	1/7/22	1148	[signature]		
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: RRALC °C Bottles Received:	If preservation required by Login: Date/Time
[signature]	7 JAN 22	1600	SWA	23-02-2.1 8	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: Time:	Hold: Condition: NCF / OK
PNCOH			[signature]	01/08/22 0800	

ANALYTICAL REPORT

January 12, 2022

1 Cp
2 Tc
3 Ss
4 Cn
5 Sr
6 Qc
7 Gl
8 Al
9 Sc

Partners Env. Consulting - Solon, OH

Sample Delivery Group:	L1448882
Samples Received:	01/08/2022
Project Number:	896.119
Description:	CCLRC - 12524 Euclid Avenue
Report To:	Valerie Weir 31100 Solon Road, Ste. G Solon, OH 44139

Entire Report Reviewed By:

Heather J Wagner
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

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SSV-01 L1448882-01 Air

Collected by	Collected date/time	Received date/time
Tom W.	01/05/22 12:24	01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1799410	1	01/09/22 12:48	01/09/22 12:48	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1800392	10	01/11/22 15:54	01/11/22 15:54	DAH	Mt. Juliet, TN

SSV-01 DUPLICATE L1448882-02 Air

Collected by	Collected date/time	Received date/time
Tom W.	01/05/22 12:37	01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1799410	1	01/09/22 13:17	01/09/22 13:17	DAH	Mt. Juliet, TN
Volatile Organic Compounds (MS) by Method TO-15	WG1800392	10	01/11/22 16:31	01/11/22 16:31	DAH	Mt. Juliet, TN

SSV-02 L1448882-03 Air

Collected by	Collected date/time	Received date/time
Tom W.	01/05/22 12:43	01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1799410	1	01/09/22 13:46	01/09/22 13:46	DAH	Mt. Juliet, TN

SSV-03 L1448882-04 Air

Collected by	Collected date/time	Received date/time
Tom W.	01/05/22 12:43	01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1799410	1	01/09/22 14:15	01/09/22 14:15	DAH	Mt. Juliet, TN

BG-01 L1448882-05 Air

Collected by	Collected date/time	Received date/time
Tom W.	01/05/22 13:05	01/08/22 08:00

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Volatile Organic Compounds (MS) by Method TO-15	WG1799410	1	01/09/22 14:44	01/09/22 14:44	DAH	Mt. Juliet, TN

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Heather J Wagner
Project Manager

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	1.26	2.99		1	WG1799410
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1799410
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1799410
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1799410
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1799410
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1799410
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1799410
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1799410
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1799410
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1799410
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1799410
Chloroform	67-66-3	119	0.200	0.973	0.272	1.32		1	WG1799410
Chloromethane	74-87-3	50.50	0.200	0.413	0.234	0.483		1	WG1799410
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1799410
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1799410
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1799410
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1799410
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1799410
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1799410
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1799410
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1799410
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	11.6	46.0		1	WG1799410
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.293	1.16		1	WG1799410
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1799410
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1799410
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1799410
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1799410
Ethanol	64-17-5	46.10	1.25	2.36	5.50	10.4		1	WG1799410
Ethyl acetate	141-78-6	88	0.200	0.720	ND	ND		1	WG1799410
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1799410
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.268	1.51		1	WG1799410
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.480	2.37		1	WG1799410
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1799410
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1799410
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1799410
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1799410
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1799410
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1799410
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1799410
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1799410
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1799410
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1799410
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1799410
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1799410
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.542	3.68		1	WG1799410
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1799410
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1799410
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1799410
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1799410
Trichloroethylene	79-01-6	131	2.00	10.7	126	675		10	WG1800392
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1799410
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1799410
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1799410
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1799410
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1799410
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1799410

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*96.3*				WG1799410
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*90.0*				WG1800392

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1799410
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1799410
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1799410
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1799410
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1799410
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1799410
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1799410
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1799410
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1799410
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1799410
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1799410
Chloroform	67-66-3	119	0.200	0.973	0.423	2.06		1	WG1799410
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1799410
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1799410
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1799410
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1799410
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1799410
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1799410
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1799410
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1799410
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1799410
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	18.7	74.1		1	WG1799410
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	0.473	1.87		1	WG1799410
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1799410
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1799410
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1799410
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1799410
Ethanol	64-17-5	46.10	1.25	2.36	3.32	6.26		1	WG1799410
Ethyl acetate	141-78-6	88	0.200	0.720	ND	ND		1	WG1799410
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1799410
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.243	1.37		1	WG1799410
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.478	2.36		1	WG1799410
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1799410
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1799410
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1799410
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1799410
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1799410
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1799410
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1799410
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1799410
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1799410
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1799410
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1799410
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1799410
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.826	5.61		1	WG1799410
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1799410
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1799410
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1799410
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1799410
Trichloroethylene	79-01-6	131	2.00	10.7	227	1220		10	WG1800392
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1799410
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1799410
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1799410
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1799410
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1799410
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1799410

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.9*				WG1799410
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*88.4*				WG1800392

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	ND	ND		1	WG1799410
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1799410
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1799410
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1799410
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1799410
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1799410
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1799410
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1799410
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1799410
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1799410
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1799410
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1799410
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1799410
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1799410
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1799410
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1799410
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1799410
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1799410
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1799410
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1799410
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1799410
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1799410
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1799410
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1799410
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1799410
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1799410
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1799410
Ethanol	64-17-5	46.10	1.25	2.36	2.29	4.32		1	WG1799410
Ethyl acetate	141-78-6	88	0.200	0.720	ND	ND		1	WG1799410
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1799410
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.219	1.23		1	WG1799410
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.493	2.44		1	WG1799410
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1799410
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1799410
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1799410
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1799410
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1799410
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1799410
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1799410
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1799410
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1799410
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1799410
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1799410
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1799410
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1799410
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1799410
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1799410
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1799410
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1799410
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1799410
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1799410
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1799410
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1799410
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1799410
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1799410
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1799410

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.6*				WG1799410

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.22	5.28		1	WG1799410
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1799410
Benzene	71-43-2	78.10	0.200	0.639	ND	ND		1	WG1799410
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1799410
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1799410
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1799410
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1799410
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1799410
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1799410
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1799410
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1799410
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1799410
Chloromethane	74-87-3	50.50	0.200	0.413	ND	ND		1	WG1799410
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1799410
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1799410
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1799410
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1799410
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1799410
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1799410
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1799410
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1799410
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1799410
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1799410
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1799410
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1799410
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1799410
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1799410
Ethanol	64-17-5	46.10	1.25	2.36	12.7	23.9		1	WG1799410
Ethyl acetate	141-78-6	88	0.200	0.720	ND	ND		1	WG1799410
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1799410
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.246	1.38		1	WG1799410
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.457	2.26		1	WG1799410
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1799410
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1799410
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1799410
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1799410
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1799410
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1799410
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1799410
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1799410
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1799410
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1799410
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1799410
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1799410
Tetrachloroethylene	127-18-4	166	0.200	1.36	0.498	3.38		1	WG1799410
Toluene	108-88-3	92.10	0.500	1.88	0.977	3.68		1	WG1799410
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1799410
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1799410
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1799410
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1799410
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1799410
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1799410
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1799410
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1799410
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1799410
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1799410

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.8*				WG1799410

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
Acetone	67-64-1	58.10	1.25	2.97	2.35	5.58		1	WG1799410
Allyl chloride	107-05-1	76.53	0.200	0.626	ND	ND		1	WG1799410
Benzene	71-43-2	78.10	0.200	0.639	0.570	1.82		1	WG1799410
Benzyl Chloride	100-44-7	127	0.200	1.04	ND	ND		1	WG1799410
Bromodichloromethane	75-27-4	164	0.200	1.34	ND	ND		1	WG1799410
Bromoform	75-25-2	253	0.600	6.21	ND	ND		1	WG1799410
Bromomethane	74-83-9	94.90	0.200	0.776	ND	ND		1	WG1799410
Carbon disulfide	75-15-0	76.10	0.200	0.622	ND	ND		1	WG1799410
Carbon tetrachloride	56-23-5	154	0.200	1.26	ND	ND		1	WG1799410
Chlorobenzene	108-90-7	113	0.200	0.924	ND	ND		1	WG1799410
Chloroethane	75-00-3	64.50	0.200	0.528	ND	ND		1	WG1799410
Chloroform	67-66-3	119	0.200	0.973	ND	ND		1	WG1799410
Chloromethane	74-87-3	50.50	0.200	0.413	0.475	0.981		1	WG1799410
Dibromochloromethane	124-48-1	208	0.200	1.70	ND	ND		1	WG1799410
1,2-Dibromoethane	106-93-4	188	0.200	1.54	ND	ND		1	WG1799410
1,2-Dichlorobenzene	95-50-1	147	0.200	1.20	ND	ND		1	WG1799410
1,3-Dichlorobenzene	541-73-1	147	0.200	1.20	ND	ND		1	WG1799410
1,4-Dichlorobenzene	106-46-7	147	0.200	1.20	ND	ND		1	WG1799410
1,2-Dichloroethane	107-06-2	99	0.200	0.810	ND	ND		1	WG1799410
1,1-Dichloroethane	75-34-3	98	0.200	0.802	ND	ND		1	WG1799410
1,1-Dichloroethene	75-35-4	96.90	0.200	0.793	ND	ND		1	WG1799410
cis-1,2-Dichloroethene	156-59-2	96.90	0.200	0.793	ND	ND		1	WG1799410
trans-1,2-Dichloroethene	156-60-5	96.90	0.200	0.793	ND	ND		1	WG1799410
1,2-Dichloropropane	78-87-5	113	0.200	0.924	ND	ND		1	WG1799410
cis-1,3-Dichloropropene	10061-01-5	111	0.200	0.908	ND	ND		1	WG1799410
trans-1,3-Dichloropropene	10061-02-6	111	0.200	0.908	ND	ND		1	WG1799410
1,4-Dioxane	123-91-1	88.10	0.200	0.721	ND	ND		1	WG1799410
Ethanol	64-17-5	46.10	1.25	2.36	2.23	4.20		1	WG1799410
Ethyl acetate	141-78-6	88	0.200	0.720	ND	ND		1	WG1799410
Ethylbenzene	100-41-4	106	0.200	0.867	ND	ND		1	WG1799410
Trichlorofluoromethane	75-69-4	137.40	0.200	1.12	0.233	1.31		1	WG1799410
Dichlorodifluoromethane	75-71-8	120.92	0.200	0.989	0.486	2.40		1	WG1799410
Hexachloro-1,3-butadiene	87-68-3	261	0.630	6.73	ND	ND		1	WG1799410
n-Hexane	110-54-3	86.20	0.630	2.22	ND	ND		1	WG1799410
Isopropylbenzene	98-82-8	120.20	0.200	0.983	ND	ND		1	WG1799410
Methylene Chloride	75-09-2	84.90	0.200	0.694	ND	ND		1	WG1799410
Methyl Butyl Ketone	591-78-6	100	1.25	5.11	ND	ND		1	WG1799410
2-Butanone (MEK)	78-93-3	72.10	1.25	3.69	ND	ND		1	WG1799410
4-Methyl-2-pentanone (MIBK)	108-10-1	100.10	1.25	5.12	ND	ND		1	WG1799410
Methyl methacrylate	80-62-6	100.12	0.200	0.819	ND	ND		1	WG1799410
MTBE	1634-04-4	88.10	0.200	0.721	ND	ND		1	WG1799410
Naphthalene	91-20-3	128	0.630	3.30	ND	ND		1	WG1799410
Styrene	100-42-5	104	0.200	0.851	ND	ND		1	WG1799410
1,1,2,2-Tetrachloroethane	79-34-5	168	0.200	1.37	ND	ND		1	WG1799410
Tetrachloroethylene	127-18-4	166	0.200	1.36	ND	ND		1	WG1799410
Toluene	108-88-3	92.10	0.500	1.88	ND	ND		1	WG1799410
1,2,4-Trichlorobenzene	120-82-1	181	0.630	4.66	ND	ND		1	WG1799410
1,1,1-Trichloroethane	71-55-6	133	0.200	1.09	ND	ND		1	WG1799410
1,1,2-Trichloroethane	79-00-5	133	0.200	1.09	ND	ND		1	WG1799410
Trichloroethylene	79-01-6	131	0.200	1.07	ND	ND		1	WG1799410
Vinyl acetate	108-05-4	86.10	0.200	0.704	ND	ND		1	WG1799410
Vinyl chloride	75-01-4	62.50	0.200	0.511	ND	ND		1	WG1799410
m&p-Xylene	1330-20-7	106	0.400	1.73	ND	ND		1	WG1799410
o-Xylene	95-47-6	106	0.200	0.867	ND	ND		1	WG1799410
1,2,4-Trimethylbenzene	95-63-6	120	0.200	0.982	ND	ND		1	WG1799410
1,3,5-Trimethylbenzene	108-67-8	120	0.200	0.982	ND	ND		1	WG1799410

Volatile Organic Compounds (MS) by Method TO-15

Analyte	CAS #	Mol. Wt.	RDL1 ppbv	RDL2 ug/m3	Result ppbv	Result ug/m3	Qualifier	Dilution	Batch
(S) 1,4-Bromofluorobenzene	*460-00-4*	*175*	*60.0-140*		*93.6*				WG1799410

Method Blank (MB)

(MB) R3748819-3 01/09/22 09:46

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Acetone	U		0.584	1.25
Allyl Chloride	U		0.114	0.200
Benzene	U		0.0715	0.200
Benzyl Chloride	U		0.0598	0.200
Bromodichloromethane	U		0.0702	0.200
Bromoform	U		0.0732	0.600
Bromomethane	U		0.0982	0.200
Carbon disulfide	U		0.102	0.200
Carbon tetrachloride	U		0.0732	0.200
Chlorobenzene	U		0.0832	0.200
Chloroethane	U		0.0996	0.200
Chloroform	U		0.0717	0.200
Chloromethane	U		0.103	0.200
Dibromochloromethane	U		0.0727	0.200
1,2-Dibromoethane	U		0.0721	0.200
1,2-Dichlorobenzene	U		0.128	0.200
1,3-Dichlorobenzene	U		0.182	0.200
1,4-Dichlorobenzene	U		0.0557	0.200
1,2-Dichloroethane	U		0.0700	0.200
1,1-Dichloroethane	U		0.0723	0.200
1,1-Dichloroethene	U		0.0762	0.200
cis-1,2-Dichloroethene	U		0.0784	0.200
trans-1,2-Dichloroethene	U		0.0673	0.200
1,2-Dichloropropane	U		0.0760	0.200
cis-1,3-Dichloropropene	U		0.0689	0.200
trans-1,3-Dichloropropene	U		0.0728	0.200
1,4-Dioxane	U		0.0833	0.200
Ethylbenzene	U		0.0835	0.200
Trichlorofluoromethane	U		0.0819	0.200
Dichlorodifluoromethane	U		0.137	0.200
Hexachloro-1,3-butadiene	U		0.105	0.630
n-Hexane	U		0.206	0.630
Isopropylbenzene	U		0.0777	0.200
Methylene Chloride	U		0.0979	0.200
Methyl Butyl Ketone	U		0.133	1.25
2-Butanone (MEK)	U		0.0814	1.25
4-Methyl-2-pentanone (MIBK)	U		0.0765	1.25
Methyl Methacrylate	U		0.0876	0.200
MTBE	U		0.0647	0.200
Naphthalene	U		0.350	0.630

QUALITY CONTROL SUMMARY

L1448882-01,02,03,04,05

Method Blank (MB)

(MB) R3748819-3 01/09/22 09:46

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Styrene	U		0.0788	0.200
1,1,2,2-Tetrachloroethane	U		0.0743	0.200
Tetrachloroethylene	U		0.0814	0.200
Toluene	U		0.0870	0.500
1,2,4-Trichlorobenzene	U		0.148	0.630
1,1,1-Trichloroethane	U		0.0736	0.200
1,1,2-Trichloroethane	U		0.0775	0.200
Trichloroethylene	U		0.0680	0.200
1,2,4-Trimethylbenzene	U		0.0764	0.200
1,3,5-Trimethylbenzene	U		0.0779	0.200
Vinyl chloride	U		0.0949	0.200
Vinyl acetate	U		0.116	0.200
m&p-Xylene	U		0.135	0.400
o-Xylene	U		0.0828	0.200
Ethanol	U		0.265	1.25
Ethyl acetate	U		0.100	0.200
(S) 1,4-Bromofluorobenzene	*91.3*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3748819-1 01/09/22 08:47 • (LCSD) R3748819-2 01/09/22 09:17

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Ethanol	3.75	4.04	4.03	108	107	55.0-148			0.248	25
Dichlorodifluoromethane	3.75	4.02	3.99	107	106	64.0-139			0.749	25
Chloromethane	3.75	3.72	3.84	99.2	102	70.0-130			3.17	25
Vinyl chloride	3.75	3.84	4.00	102	107	70.0-130			4.08	25
Bromomethane	3.75	4.14	4.28	110	114	70.0-130			3.33	25
Chloroethane	3.75	4.00	3.87	107	103	70.0-130			3.30	25
Trichlorofluoromethane	3.75	4.02	4.00	107	107	70.0-130			0.499	25
1,1-Dichloroethene	3.75	3.85	3.85	103	103	70.0-130			0.000	25
1,1-Dichloroethane	3.75	3.89	3.94	104	105	70.0-130			1.28	25
Acetone	3.75	4.15	4.43	111	118	70.0-130			6.53	25
Carbon disulfide	3.75	4.04	4.11	108	110	70.0-130			1.72	25
Methylene Chloride	3.75	3.73	3.79	99.5	101	70.0-130			1.60	25
MTBE	3.75	3.95	3.96	105	106	70.0-130			0.253	25
trans-1,2-Dichloroethene	3.75	3.89	3.95	104	105	70.0-130			1.53	25
n-Hexane	3.75	3.79	3.98	101	106	70.0-130			4.89	25
Vinyl acetate	3.75	3.76	3.69	100	98.4	70.0-130			1.88	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3748819-1 01/09/22 08:47 • (LCSD) R3748819-2 01/09/22 09:17

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Methyl Ethyl Ketone	3.75	4.23	4.11	113	110	70.0-130			2.88	25
cis-1,2-Dichloroethene	3.75	3.92	3.84	105	102	70.0-130			2.06	25
Chloroform	3.75	3.80	3.90	101	104	70.0-130			2.60	25
1,1,1-Trichloroethane	3.75	3.94	3.91	105	104	70.0-130			0.764	25
Carbon tetrachloride	3.75	3.87	3.86	103	103	70.0-130			0.259	25
Benzene	3.75	3.96	4.01	106	107	70.0-130			1.25	25
1,2-Dichloroethane	3.75	3.79	3.84	101	102	70.0-130			1.31	25
Trichloroethylene	3.75	3.91	3.89	104	104	70.0-130			0.513	25
1,2-Dichloropropane	3.75	3.88	3.93	103	105	70.0-130			1.28	25
1,4-Dioxane	3.75	4.07	4.03	109	107	70.0-140			0.988	25
Bromodichloromethane	3.75	3.97	3.83	106	102	70.0-130			3.59	25
cis-1,3-Dichloropropene	3.75	4.22	4.10	113	109	70.0-130			2.88	25
4-Methyl-2-pentanone (MIBK)	3.75	3.84	3.73	102	99.5	70.0-139			2.91	25
Toluene	3.75	4.01	4.06	107	108	70.0-130			1.24	25
trans-1,3-Dichloropropene	3.75	4.11	4.14	110	110	70.0-130			0.727	25
1,1,2-Trichloroethane	3.75	3.91	4.07	104	109	70.0-130			4.01	25
Tetrachloroethylene	3.75	4.00	3.97	107	106	70.0-130			0.753	25
Methyl Butyl Ketone	3.75	3.92	3.92	105	105	70.0-149			0.000	25
Dibromochloromethane	3.75	4.13	4.05	110	108	70.0-130			1.96	25
1,2-Dibromoethane	3.75	4.03	4.01	107	107	70.0-130			0.498	25
Chlorobenzene	3.75	4.08	4.07	109	109	70.0-130			0.245	25
Ethylbenzene	3.75	4.08	4.10	109	109	70.0-130			0.489	25
m&p-Xylene	7.50	8.32	8.17	111	109	70.0-130			1.82	25
o-Xylene	3.75	4.02	4.08	107	109	70.0-130			1.48	25
Styrene	3.75	4.11	4.10	110	109	70.0-130			0.244	25
Bromoform	3.75	4.16	4.11	111	110	70.0-130			1.21	25
1,1,2,2-Tetrachloroethane	3.75	4.00	3.98	107	106	70.0-130			0.501	25
1,3,5-Trimethylbenzene	3.75	4.01	4.12	107	110	70.0-130			2.71	25
1,2,4-Trimethylbenzene	3.75	4.13	4.14	110	110	70.0-130			0.242	25
1,3-Dichlorobenzene	3.75	4.24	4.19	113	112	70.0-130			1.19	25
1,4-Dichlorobenzene	3.75	4.20	4.27	112	114	70.0-130			1.65	25
Benzyl Chloride	3.75	4.46	4.41	119	118	70.0-152			1.13	25
1,2-Dichlorobenzene	3.75	4.12	4.13	110	110	70.0-130			0.242	25
1,2,4-Trichlorobenzene	3.75	5.11	5.05	136	135	70.0-160			1.18	25
Hexachloro-1,3-butadiene	3.75	3.92	3.91	105	104	70.0-151			0.255	25
Naphthalene	3.75	4.13	4.07	110	109	70.0-159			1.46	25
Allyl Chloride	3.75	3.74	3.81	99.7	102	70.0-130			1.85	25
Methyl Methacrylate	3.75	3.83	3.93	102	105	70.0-130			2.58	25
Isopropylbenzene	3.75	4.05	4.05	108	108	70.0-130			0.000	25
Ethyl acetate	3.75	3.90	3.83	104	102	70.0-130			1.81	25

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3748819-1 01/09/22 08:47 • (LCSD) R3748819-2 01/09/22 09:17

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
(S) 1,4-Bromofluorobenzene				*98.5*	*100*	*60.0-140*				

Method Blank (MB)

(MB) R3749095-2 01/11/22 10:18

Analyte	MB Result ppbv	MB Qualifier	MB MDL ppbv	MB RDL ppbv
Trichloroethylene	U		0.0680	0.200
(S) 1,4-Bromofluorobenzene	*88.6*			*60.0-140*

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3749095-1 01/11/22 09:41 • (LCSD) R3749095-3 01/11/22 10:58

Analyte	Spike Amount ppbv	LCS Result ppbv	LCSD Result ppbv	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Trichloroethylene	3.75	3.84	3.59	102	95.7	70.0-130			6.73	25
(S) 1,4-Bromofluorobenzene				*90.9*	*91.0*	*60.0-140*				

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

MDL	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description

The remainder of this page intentionally left blank, there are no qualifiers applied to this SDG.

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Partners Environmental Consulting
31100 Solon Road, Ste. G
Solon, OH 44139

Billing Information:
Accounts Payable
31100 Solon Road, Ste. G
Solon, OH 44139

Pres Chk

Report to: Valerie Weir

Email To: vweir@partnersenv.com;tweir@partnersenv.co

Project Description: CCLRC-12524 EUCLID AVENUE

City/State Collected: EAST CLEVELAND OH

Please Circle: PT MT CT ET

Phone: 440-248-6005

Client Project # 896.119

Lab Project # PARENVOH-WEIR

Collected by (print): TOM WEIR

Site/Facility ID #

P.O. #

Collected by (signature): [signature]

Immediately Packed on Ice N X Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

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Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1448882

E203

Acctnum: PARENVOH
Template: T201258
Prelogin: P895033
PM: 873 - Heather J Wagner
PB: CSL 12 July
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	TO-15VAP Summa									Remarks	Sample # (lab only)
SSV-01	GRAB	Air	-	1/5/22	1224	1	X										01
SSV-01 DUPLICATE		Air	-		1237	1	X										02
SSV-02		Air	-		1243	1	X										03
SSV-03		Air	-		1243	1	X										04
BG-01		Air	-		1305	1	X										05
		~~Air~~															

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks: Ohio VAP Protocol

pH _____ Temp _____
Flow _____ Other _____

Samples returned via: __ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP __Y __N
COC Signed/Accurate: Y __N
Bottles arrive intact: Y __N
Correct bottles used: Y __N
Sufficient volume sent: Y __N
If Applicable
VOA Zero Headspace: Y __N
Preservation Correct/Checked: Y __N
RAD Screen <0.5 mR/hr: Y __N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
[signature]	1/7/22	1148	[signature]	0
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp: °C Bottles Received:
[signature]	7 JAN 22	1600	SWA	AMB 5+ empty
Relinquished by : (Signature) PNCOH	Date:	Time:	Received for lab by: (Signature)	Date: Time:
			[signature]	1/8/2022 0800

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

APPENDIX C
SAMPLING FORMS

PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name:	**Project Number:**		
Monitoring Well ID: PMW-100	Date: 1/5/22	Start Time:	Field Personnel
Weather Conditions:		End Time:	
Comments:			

INITIAL MEASUREMENTS

Measured Well Bottom (ft) 14.92 (15.1' BGS)		Well Casing Diameter : 2 -inches		
Measured Depth to Water (ft) 8.91		Conversion Factor (gal/lineal foot)		
Calculated Water Column (ft) 6.01		1.25" = 0.08	2" = 0.17	3" = 0.38
One Well Volume (gal)	Three Well Volumes (gal)	4" = 0.66	6" = 1.50	8" = 2.60

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

PURGE INFORMATION

Purge Method Stainless Steel Bailer / Teflon Bailer / Peristaltic Pump / Polyethylene Bailer / Grundfos Pump / Bladder Pump / Other:

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1522	START								
1529	INITIAL		9.31	6.87	0.989	432	6.83	219	
1539	2		10.08	6.88	0.991	98.6	5.14	207	
1545	2.5		10.16	6.87	0.991	65.8	4.80	208	
1550	3		10.35	6.85	0.989	48.8	4.70	205	
1555	3.5		10.48	6.82	0.992	29.7	4.20	165	
1600	4		10.50	6.85	0.993	21.9	4.51	136	
1605	4.5		10.49	6.85	1.00	15.2	4.18	113	

SAMPLING INFORMATION

Sample Method Stainless Steel Bailer / Teflon Bailer / Peristaltic Pump / Polyethylene Bailer / Grundfos Pump / Bladder Pump / Other:

Comments: 1 cm

SAMPLE 1610

END 1630

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml	2	VOC	HCl	~

Sampler (Print Name) Tom Weiz

Sampler's Signature [signature]

PARTNERS ENVIRONMENTAL CONSULTING, INC.
MONITORING WELL SAMPLING FORM

PARTNERS

Project Name:	**Project Number:**		
Monitoring Well ID: PMW-101	Date: 1/5/21	Start Time:	Field Personnel
Weather Conditions:		End Time:	
Comments:			

INITIAL MEASUREMENTS

Measured Well Bottom (ft) 14.75 (15.25' BGS)		Well Casing Diameter : 2 -inches		
Measured Depth to Water (ft) 8.51		Conversion Factor (gal/lineal foot)		
Calculated Water Column (ft) 6.24		1.25" = 0.08	2" = 0.17	3" = 0.38
One Well Volume (gal)	Three Well Volumes (gal)	4" = 0.66	6" = 1.50	8" = 2.60

Notes: Measurements from Top of Casing (TOC)

WELL CONDITIONS

Casing Condition	OK	Not OK	Cap Condition	OK	Not OK	**Well Riser**
Paint Condition	OK	Not OK	Lock Condition	OK	Not OK	Stainless Steel
Inner Casing Condition	OK	Not OK	Surface Seal Condition	OK	Not OK	Steel
Notes:						PVC

PURGE INFORMATION

Purge Method Stainless Steel Bailer; Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Grundfos Pump; Bladder Pump; Other:

Time	Liters Purged	Flow Rate (ml/min)	Temperature (°C)	PH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/L)	ORP (mV)	Depth to Water Measurement
Stabilization Criteria (3 Consecutive Readings):			+/- 0.5 °C	+/- 0.1	+/- 3.0%	+/- 10% under 50	+/- 0.3 mg/L	+/-10 mV	
1351	START								
1355	INITIAL		11.85	8.27	0.660	+800	8.79	128	
1405	2		11.99	6.47	0.660	782	3.92	188	
1410	2.5		11.98	6.46	0.661	698	3.50	192	
1415	3		12.01	6.44	0.662	512	3.30	190	
1420	3.5		11.96	6.38	0.667	+800	3.17	194	
1425	4		11.96	6.41	0.667	+800	2.92	192	
1430	4.5		12.02	6.54	0.654	+800	2.80	186	
1435	5		11.86	6.67	0.644	745	2.70	176	
1440	5.5		11.64	6.66	0.642	517	2.57	173	
1445	6		11.55	6.63	0.644	489	2.45	170	
1450	6.5		11.55	6.64	0.649	255	2.36	165	

SAMPLING INFORMATION

Sample Method Stainless Steel Bailer; Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Grundfos Pump; Bladder Pump; Other:

Comments: 1CAM
SAMPLE 1455 FULL DUPLICATE
TRIP 1200

Sample Containers	Number of Containers:	Test Methods/Analyte Groups:	Preservative:	Filter (y/n)
40 ml	2	VOC	HCl	-

Sampler (Print Name) TOM WEIR

Sampler's Signature THOMAS W.

SUPPLEMENTAL
LIMITED PHASE II INVESTIGATION

Mickey's Parcels Site
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

November 27, 2019

PREPARED FOR: University Circle Inc.
c/o Mr. John Heer
Counsel
McDonald Hopkins
600 Superior Avenue, East
Suite 2100
Cleveland, Ohio 44114
Project #: 326.03B

PREPARED BY: Partners
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Phone: (800) 7631363
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This report has been prepared by Partners for the benefit of our Client in accordance with the approved scope of work. Partners assumes no liability for the unauthorized use of information, conclusions or recommendations included in this report by a third party.

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Table 1 Summary of VOCs in Soil
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APPENDICES

Appendix A Soil Boring and Monitoring Well Logs
Appendix B Laboratory Analytical Reports
Appendix C Sampling Forms

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1.0 INTRODUCTION

Partners was contracted by University Circle, Inc. (Client) to conduct a Supplemental Limited Phase II Investigation (Phase II) at the Mickeys Parcels Site located at 12550 Euclid Avenue and contiguous parcels (12520-12558 Euclid Avenue, 1819-1826 Woodlawn Avenue and 1810 Woodlawn Avenue) in the City of East Cleveland, Cuyahoga County, Ohio (Property). The Property is located on the east side of Euclid Avenue, between Lakeview Road and Penrose Avenue and bisected by Woodlawn Avenue. The location of the Property is depicted on the East Cleveland, Ohio Quadrangle, United States Geological Survey (USGS) 7.5-Minute Topographic Map (**Figure 1**).

The Property is comprised of seven (7) parcels, designated Permanent Parcel Numbers (PPNs) 672-14-001, 672-14-002, 672-14-003, 672-14-146, 672-14-147, 672-14-148, and 672-13-001, which are currently owned by Lincoln Property Management, LLC.

The surface topography of the Property is gently sloping northwest towards Lake Erie. Therefore, the Phase II scope of work (SOW) was developed with the presumption that the inferred direction of groundwater flow at the Property was to the northwest.

2.0 PREVIOUS INVESTIGATIONS

Partners completed a DRAFT Phase I Environmental Site Assessment (ESA) for the Property titled *Mickeys Parcels Site, 12550-12558 Euclid Avenue, 1819-1826 Woodlawn Avenue & 1810 Woodlawn Avenue, East Cleveland, Cuyahoga County, Ohio*, for the Client, dated May 23, 2019.

Partners' Phase I ESA identified the following recognized environmental conditions (RECs) in connection with the Property.

<u>On-Property</u>

- **Automotive Body and Mechanic Repair & Associated Hydraulic Lifts, 12550 Euclid Avenue:** By 1949, the northern portion of the Property, east of Woodlawn Avenue, was redeveloped with the existing auto repair garage and office building. The building was occupied by Economy Buick from at least 1949 to 1967 and was occupied by Mickeys Enterprises from at least 1973 to 2002. Operations during that time included auto repair and auto body work, rust proofing of cars, and automotive painting. In 1985, releases of kerosene to the municipal sanitary sewer were identified at this facility by the Northeast Ohio Regional Sewer District (NEORSD). Petroleum products and hazardous substances were typically utilized during daily auto repair activities, including parts cleaning, coating, lubricating, etc. Releases (if any) of hazardous substances and/or petroleum products during daily operations have the potential to have adversely impacted the Property.

  In 2001, four (4) hydraulic lifts were removed from within the building by Venture Environmental Contracting LLC (VEC). Soil samples collected from beneath two (2) lifts detected concentrations of total petroleum hydrocarbons (TPH) above the saturation limit. Additionally, the potential exists that the hydraulic oil contained polychlorinated biphenyls (PCBs). There are no known soil removal activities or PCB sampling conducted in the northern portion of the Property.

- **Auto Repair Operations, Associated Hydraulic Lifts & Historical Underground Storage Tank (UST), 1810 Woodlawn Avenue:** Prior to 1913, the southern portion of the Property, west of Woodlawn Avenue, was developed with a garage for auto repair operations, which included an oil storage room. Since 1913, the building had been occupied by several auto repair companies. Hazardous substances and/or petroleum products were typically utilized during daily auto repair activities, including parts cleaning, coating, lubricating, and etc. Releases (if any) of hazardous substances and/or petroleum products during daily operations have the potential to have adversely impacted the Property.

  In 2001, three (3) hydraulic lifts were removed from the southern portion of the Property by VEC. TPH was detected above the saturation limit in soil samples collected from Lifts 6 and 9; however, due to visual contamination, the soil from Lifts 8 and 9 were removed from the Property. The soil from Lift 6 was placed back in the excavation cavity. Therefore, petroleum contaminated

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soil (PCS) remains at the southern portion of the Property. The soil samples were not analyzed for PCBs.

In the 1913 Sanborn map, a 200-gallon gasoline underground storage tank (UST) was at the rear of the southern portion of the Property. The gasoline UST is not depicted in the 1926 Sanborn map. Regulatory records reviewed indicate that the UST has not been removed. The potential exists that releases from this UST (if any) have adversely impacted the Property.

- **Automotive Paint Shop & Historical UST, 12520 Euclid Avenue:** The southern portion of the Property, along the southern Property boundary, is identified as an automotive paint shop from at least 1962 to 1967. Automotive paint operations typically utilize substances and/or petroleum products as cleaning solvents. Solvent based paints may have also been stored and applied. Releases (if any) of these hazardous substances and/or petroleum products during daily operations have the potential to have adversely impacted the Property.

  Sanborn maps indicate that a gasoline UST was present adjoining the southern portion of the Property, within the Euclid Avenue right-of-way, from at least 1926 to 1963. Records reviewed (e.g., East Cleveland Fire Department [ECFD] and the Bureau of Underground Storage Tank Regulations [BUSTR]) do not indicate that this UST was removed. Additionally, the potential exists that this UST was mapped incorrectly, similarly to the UST identified within the Woodlawn right-of-way, which was determined to be on the Property, beneath the former building. Releases (if any) from this gasoline UST have the potential to have adversely impacted the Property.

- **Dry Cleaning Operations, 12558 Euclid Avenue:** A former commercial storefront in the northern portion of the Property was occupied by Miggies Dry Cleaning in at least 1949, Do-Well Cleaners from at least 1954 to 1959 and by Unique Dry Cleaners from at least 1962 to 1967. Dry cleaning operations typically use hazardous substances or petroleum products as cleaning solvents (e.g. perchloroethylene or Stoddard Solvent); therefore, releases (if any) from this facility may have adversely impacted the Property.

- **Silk Screen Printing Operations, 12562 Euclid Avenue:** The Property is identified in the city directories from 1967 to 1972 as Hugh Kenneth M Silk Screen Process. Silk screen printing operations often use solvent based and heavy metal containing inks. Equipment cleaning processes may have included chlorinated and/or petroleum-based solvents and resulted in the generation of contaminated industrial wastewater. Releases (if any) of solvent based inks and solvents used in the cleaning processes have the potential to have adversely impacted the Property.

Off-Property

- **Former Filling Station/Auto Repair Operations, 12500 Euclid Avenue:** Between 1962 and 1970, the southwest adjoining site, on the east of Woodlawn Avenue, was redeveloped with a filling station. Records obtained from the Fire Department that a 6,000-gallon gasoline UST, a 3,000-gallon gasoline UST, and a 1,000-gallon oil UST were formerly located adjacent to the southern Property boundary. Filling station operations ceased, and the USTs were removed in 1973. The facility is identified as ALS A-1 Automatic Transmission Service from 1974 to 1980. Releases (if any) of hazardous substances and/or petroleum products from the former USTs, during daily filling station, and auto repair operations have the potential to have adversely impacted the Property.

In July 2019, Partners was contracted by the Client to conduct a Limited Phase II Investigation to determine the impact to the Property from the Recognized Environmental Conditions (RECs) identified in the Phase I ESA. During the initial Phase II Investigation, Partners advanced 11 soil borings (SB-01 through SB-08 and MW-01 through MW-03), and installed three (3) groundwater monitoring wells (MW-01 through MW-03), one (1) soil vapor point (SV-02), and one (1) sub-slab vapor point (SV-01). In addition to the above, a ground penetrating radar survey was conducted on the southern half of the Property (all land south of Woodlawn Avenue). The findings and conclusions of the initial investigation are included in a report titled *DRAFT Limited Phase II Investigation, Mickey's Parcels Site, 12550 Euclid Avenue, East Cleveland, Cuyahoga County, Ohio*, for the Client, dated August 15, 2019 (Project Number 326.03A).

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Partners identified elevated concentrations of trichloroethylene (TCE), primarily in soil and soil vapor at SB-02 and SV-02 respectively, on the southern portion of the Property. The primary concern associated with the findings is the potential for the TCE release at the Property to migrate offsite to the northwest (the direction of groundwater flow measured during the initial Phase II Investigation).

In addition, an anomaly was identified through the GPR survey on the southern portion of the Property, near Euclid Avenue in the vicinity of a previously mapped UST. It was unknown at that time if the anomaly was representative of a UST.

3.0 SUPPLEMENTAL LIMITED PHASE II INVESTIGATION ACTIVITIES

The previous Phase I ESA and Phase II Investigation findings were considered while preparing the Supplemental Phase II scope of work. It is Partners' understanding that the future receptor pathways at the Property are likely to include adult commercial-industrial workers and/or construction workers, including utility workers, that may come in direct contact with potentially impacted soil-gas or groundwater at the Property.

Based on the findings of the initial investigation, supplemental Phase II activities were conducted in October-November 2019 to further assess conditions at the Property.

3.1 General Scope

The Supplemental Phase II activities included soil, groundwater, and sub-slab vapor/soil gas sampling and laboratory analysis. The goal of this Phase II was to conduct an assessment sufficient to determine the extent of TCE impacts at the Property, if TCE has the potential to impact off-Property receptors, and if a UST is present at the Property.

On October 31, 2019, Partners advanced eight (8) soil borings (SB-09 through SB-14, MW-04 and MW-05), and installed two (2) groundwater monitoring wells (MW-04 and MW-05), two (2) soil gas monitoring points (SV-03 and SV-04), and one (1) sub-slab vapor point (SV-05). In addition, one (1) exploratory test pit was excavated in the area of the suspected UST/GPR anomaly near Euclid Avenue.

- Soil borings SB-09 through SB-14, MW-04 and MW-05, and soil gas monitoring point SV-04 were installed in the vicinity of SB-02 and SV-02 to further assess the TCE impacts at the former garage/auto repair (1810 Woodlawn Avenue).
- Sub-slab vapor point SV-05 was installed within the building to further assess historic auto repair activities (12550 Euclid Avenue).
- Soil gas monitoring point SV-03 was installed in the area of the UST at the former automotive body repair and paint shop (12520 Euclid Avenue).

Soil boring, groundwater monitoring well, soil gas monitoring point, and sub-slab vapor sample locations are shown on **Figure 2**.

3.2 Methods of Assessment

3.2.1 Soil Sampling, Field Screening and Analyses

Soil borings were advanced using a track-mounted, direct push technology (Geoprobe™) sampling system. The borings were sampled continuously from the ground surface to depths ranging from 10 to 16 feet below ground surface (bgs). The Geoprobe™ drives a two (2)-inch outside diameter (OD), stainless steel tube containing a new disposable acetate liner into the subsurface to obtain soil samples. The soil is forced into the liner at continuous four (4)-foot intervals and is then retrieved to the surface. Each four (4)-foot soil sample was further divided into two (2) foot sample intervals, visually observed, sampled, logged, and classified according to the Unified Soil Classification System (USCS) by a member of Partners' field staff.

The boring locations are depicted on **Figure 2** and soil boring logs are included in **Appendix A**.

Soil samples were divided into two (2) portions. One (1) portion was placed in new two (2) or four (4)-ounce, pre-cleaned glass jars with Teflon® lined lids, and the second portion was placed in a new re-

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sealable plastic bag for field screening purposes. Samples placed in the glass jars were labeled and placed in a cooler containing ice, pending submission to an Ohio Environmental Protection Agency (Ohio EPA) Voluntary Action Program (VAP) certified laboratory for chemical analysis. New disposable nitrile gloves were worn and changed between each sample to prevent possible cross-contamination. The sampling equipment was decontaminated between sampling events with an Alconox® detergent rinse.

Soil samples were field screened, using a MiniRAE 3000 Photoionization Detector (PID) manufactured by RAE Systems, for the presence of organic vapors. The PID was calibrated prior to field activities using a known concentration of a gas standard in accordance with the manufacturers' specifications. Soil sample PID readings are included on the soil boring logs in **Appendix A**.

Soil borings were properly abandoned at the completion of field activities by filling each to immediately below grade with hydrated bentonite chips. The soil borings were finished at the surface with like surfacing materials (e.g., soil or concrete).

Select soil samples were submitted for laboratory analysis based on a combination of historical information, field observations (visual or odor), PID screening results, depth to water, the most likely depth of a release, and/or the potential point of compliance. Based on the conditions under assessment, selected soil samples were analyzed for the following parameters:

- Volatile Organic Compounds (VOCs) by the United States Environmental Protection Agency (USEPA) Method 8260 (16 samples; two (2) per each boring),

Soil samples were submitted for analysis under appropriate chain-of-custody control to Pace Analytical, a VAP Certified Laboratory (CL0069), located in Mt. Juliet, Tennessee. The laboratory analytical report is included in **Appendix B**.

3.2.2 Groundwater Monitoring Well Construction, Development, Sampling and Analysis

Two (2) soil borings (MW-04 and MW-05) were converted to permanent groundwater monitoring wells. The monitoring wells were advanced using four and one-quarter (4¼)-inch inside diameter (ID) hollow-stem augurs (HSAs) to depths of about 16 to 17 feet bgs.

The groundwater monitoring wells were constructed with two (2)-inch diameter polyvinyl chloride (PVC) well screen (0.010-inch slot) and riser pipe. The screened section of the wells ranged from eight (8) to 10 feet long and were positioned to span the groundwater interface. The annular spaces were filled with sand to approximately two (2) feet above the top of screens and then with bentonite to within one (1) foot of the ground surface. The monitoring wells were completed at the ground surface with flush-mount steel protective casings set in concrete pads. The monitoring well construction diagrams are included in **Appendix A**.

Prior to developing each monitoring well, the depth to water was measured to the nearest 0.01 feet using a water level indicator. The monitoring wells were developed on October 31, 2019 using a Whaler pump and surging techniques to ensure good communication with the surrounding aquifer. During development activities, monitoring wells MW-04 and MW-05 were purged of approximately six (6) to eight (8) gallons of water (approximately 5-8 well volumes) until the wells went dry. The purged groundwater somewhat visually cleared up during development, but fines were still observed.

On November 1, 2019 and prior to sampling each groundwater monitoring well, the depth to groundwater was measured to the nearest 0.01 feet using a product-water interface probe (IP) to check for non-aqueous phase liquids (NAPL) at the top and bottom of the water column in the well. After gauging was completed, a QED SamplePro portable micropurge bladder pump, QED Micropurge Basics controller with a compressed gas cylinder, and disposable polyethylene bladder/tubing were used to purge and obtain a groundwater sample using low flow sampling techniques. Based on the measured depth to groundwater, the pump intake was placed at the approximate midpoint of the screened interval. The bladder pump was lowered slowly into the well to avoid disturbing accumulated sediments. The pump was started at its lowest setting and the pumping rate was slowly increased until discharge was observed at the flow-through cell. The pump speed was adjusted to minimize and stabilize the drawdown of the groundwater in the well. Based on aquifer characteristics and monitoring well diameter, a flow rate of 200 milliliters (ml) per minute was utilized.

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A Horiba U-52 Water Quality Monitoring System with a flow-through cell was used by Partners to monitor groundwater quality. During purging, the groundwater was monitored for temperature, pH, specific conductivity, turbidity, dissolved oxygen (DO), oxidation-reduction potential (ORP), and depth to top of groundwater. The pump setting, purge rate, cumulative volume purged, and field parameters were recorded at approximate one (1) liter volume intervals during purging. The well was pumped until approximately three (3) well volumes of water were purged, water rebounded after the well was purged dry, or if the water quality readings were stable and the purge water had low turbidity readings. Well purging and sampling field data sheets are presented in **Appendix C**.

The groundwater samples were placed in two (2) 40-ml volatile organic analysis (VOA) amber vials containing hydrochloric acid as a preservative. Sample containers and preservatives were provided by the laboratory. Samples were collected, labeled, and placed in a cooler containing ice, stored at approximately 4°C, and submitted under appropriate chain-of-custody control to Pace Analytical. The groundwater samples were analyzed for VOCs by USEPA Method 8260. The laboratory report is included in **Appendix B**.

3.2.3 Determination of Groundwater Flow Direction

During the July 2019 assessment activities, Partners measured monitoring well top of casing (TOC) elevations relative to the top of the fire hydrant located adjacent to the northern Property boundary, on the south side of the intersection of Euclid Avenue and Penrose Avenue. Depth to groundwater was measured from the surveyed top of well casing reference point at each monitoring well using a water level indicator and/or interface probe. The information was used to determine the groundwater flow direction for reporting purposes (**Figure 3**), and to prepare a groundwater contour map.

3.2.4 Sub-Slab Vapor and Soil Gas Sampling Point Construction, Sampling and Analysis

Partners installed one (1) temporary sub-slab vapor monitoring point (SV-05) within the former auto repair building in the northern portion of the Property (12550 Euclid Avenue). The sub-slab vapor monitoring point was installed in accordance with the Ohio EPA VAP Intrusion Guidance titled *Sample Collection and Evaluation of Vapor Intrusion to Indoor Air, Guidance for Ohio EPA's Remedial Response and Voluntary Action Programs (2010)* and with the *US EPA's OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air (June 2015).*

The Vapor Pin™ monitoring point was set in a 5/8-inch diameter hole drilled through the concrete floor slab and approximately three (3) inches into the underlying base material. Loose drill cuttings were removed with a vacuum. The lower end of the Vapor Pin™ assembly was placed into the drilled hole. The protection handle was placed over the Vapor Pin™ to protect the barb fitting and cap, and the Vapor Pin™ was tapped into place using a hammer. Leak testing was conducted by constructing a water dam from food grade modeling clay on the concrete slab around the Vapor Pin™. The water dam was then filled with water to confirm that the Vapor Pin™ was seated correctly.

Partners installed two (2) soil gas monitoring points (SV-03 and SV-04) in the southwestern and central portions of the vacant lot in the southern portion of the Property. A Geoprobe™ drill rig utilized a four and one-quarter (4¼)-inch ID HSA to install the soil gas monitoring points to a depth of five (5) feet bgs (approximately 1-foot into the underlying shale bedrock). Each soil gas sampling point was constructed with a six (6)-inch screen made of double woven stainless steel and Teflon tubing to the surface. An approximately one (1)-foot sand pack was placed around the woven screen, and the remainder of the annular space was filled with hydrated bentonite to seal the implant. The monitoring points were finished with a flush mount protective cover.

Teflon tubing was used to connect the monitoring points to laboratory-certified, clean, six (6) liter SUMMA® canisters equipped with one (1) hour flow regulators to collect a sample directly from the sampling points. The sub-slab vapor and soil gas samples were collected over an approximate one (1) hour period, as noted in the Soil Gas/Sub-Slab Sampling Forms included in **Appendix C**.

In addition, a background ambient air sample (SV-06) was obtained from the central area of the vacant lot during the sub-slab vapor/soil-gas sampling event.

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Sub-slab vapor, soil gas, and ambient air samples were submitted for analysis of VOCs in accordance with USEPA Method TO-15. The laboratory analytical report is included in **Appendix B**.

3.2.5 Investigative Derived Waste

All investigative derived waste (IDW) (i.e., field screened soil, excess soil cuttings, development and purge water, decontamination water, etc.) generated during field activities was containerized in four (4) Department of Transportation (DOT)-approved 55-gallon drums. Three (3) of the drums contain soil and one (1) drum contains water. The drums were properly labeled and temporarily staged in the southern portion of the Property. The wastes will be characterized for proper disposal based on the data collected during this investigation.

3.2.6 Exploratory Excavation

On November 1, 2019, Partners utilized an excavator to explore the anomalous area identified near MW-01 on the southern portion of the Property near Euclid Avenue. The anticipated area of excavation was approximately 10 feet long on each side and six (6) feet deep. Once excavation activities were completed, the overburden was returned to the excavation and compacted using the excavator. The surface was made flush to match the existing grade; however, some settling should be anticipated and resurfacing the area with asphalt is beyond this scope. Monitoring well MW-1 and the newly installed soil gas sampling point (SV-03) were destroyed during the excavation activities

4.0 POTENTIALLY APPLICABLE COMPARISON STANDARDS

Although the Property is not enrolled in the Ohio EPA Voluntary Action Program (VAP), the program has promulgated standards under state environmental law that establish levels that are considered protective of human health and the environment. These standards were used for evaluation of Property conditions. Partners understands that the current and planned land use of the Property is commercial/industrial.

Evaluation of Soil

The VAP Generic Numerical Direct Contact Soil Standards (GDCS) for the Commercial/Industrial Land Use Category and the Construction/Excavation Activities Category (Ohio Administrative Code [OAC] 3745-300-08, Appendix, Tables II and III) were used for evaluation of the results of soil analyses. Constituents for which no GDCS have been derived were compared to the Ohio EPA VAP Chemical Information Database and Applicable Regulatory Standards (CIDARS), Supplemental Criteria.

TPH concentrations in soil were evaluated using the TPH Saturation Concentration, coarse grained soils (OAC 3745-300-09(D)(2)(b)).

Evaluation of Groundwater

The Property is located within the City of East Cleveland Urban Setting Designation (USD). USDs are geographic areas in which it has been established that groundwater is not and will not be used as a drinking water source. Therefore, the Unrestricted Potable Use Standards are not the applicable standard for the Property.

To evaluate the potential for COCs in groundwater to pose a risk through vapor intrusion, results of analyses were compared to the USEPA Vapor Intrusion Screening Levels (VISL) Target Groundwater Concentrations for Commercial Use. The VISL calculator was set to a carcinogenic risk of 1E-5, hazard quotient of 1, an attenuation factor (AF) of 0.001, and a groundwater temperature of 11 degrees Celsius in accordance Ohio VAP Risk Goals and the *USEPA Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air*, June 2015. Additionally, the detected COCs in groundwater were evaluated for vapor migration concerns using the Ohio EPA *Response Action Levels for COCs at Vapor Intrusion Sites in Ohio* (Ohio EPA, 2016).

Evaluation of Sub-Slab Vapor and Soil Gas

Results of sub-slab vapor and soil gas analyses were compared to the Ohio VAP Generic Indoor Air Standards due to Vapor Intrusion, Commercial/Industrial Land Use category (OAC rule 3745-300-08, Appendix Table V). To evaluate sub-slab vapor/soil gas results, an attenuation factor is applied to the indoor air standard to account for the reduction in concentration during vapor migration in the subsurface

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coupled with the dilution that occurs when the vapors enter a building and mix with indoor air. In accordance with Ohio EPA guidance and USEPA Guidance (June 2015), an attenuation factor of 0.03 was applied to the Indoor Air Standards.

Where applicable, the comparison standard was obtained from the Ohio EPA document titled *Response Action Levels for COCs at Vapor Intrusion Sites in Ohio* (Ohio EPA, 2016).

5.0 FINDINGS

5.1 Subsurface Conditions

The subsurface profile may be generalized as discontinuous areas of fill followed by primarily granular soils underlain by shale bedrock. Soil boring logs are included in **Appendix A**.

Fill materials typically consisted of brown fine sand with varying amounts of brick, concrete and/or asphalt fragments up to depths of about 4.5 feet. Fill was encountered at borings SB-11, SB-13, SB-14 and MW-04.

Native soils generally consisted of brown fine sand with interbedded layers of silty-clayey sand and/or clayey silt with varying amounts of gravel extending to depths up to 15.5 feet bgs.

Weathered shale bedrock was encountered in all borings at depths ranging from about six (6) to 15.5 feet bgs.

Petroleum odors and/or staining were noted in the soil at MW-04 (14-16 feet) and MW-05 (0-2 feet; 8-12.5 feet) bgs. PID readings generally ranged from less than one (1) parts per million (ppm) to 20.4 ppm.

With the exception of SB-13, groundwater was encountered during drilling at depths ranging from eight (8) to 10.5 feet bgs. Groundwater was not encountered during drilling at SB-13 due to shallow bedrock (6 feet bgs). The static groundwater levels measured in the new monitoring wells (MW-04 and MW-05) ranged from 10 feet bgs at MW-05 to 12 feet bgs at MW-04. No NAPL were measured in the wells. Based on the previous investigation, relative groundwater elevations ranged from 85.89 feet (MW-3) to 96.17 feet (MW-2). Based on these measurements, the general direction of groundwater flow is to the northwest. Groundwater elevation contours as determined in July 2019 are depicted on **Figure 3**.

5.2 Exploratory Excavation

The exploratory excavation uncovered one (1) steel UST approximately three (3)-feet in diameter and 10-feet long. The tank is estimated to be approximately 800-1,000 gallons in capacity. No liquids or sand fill material were observed in the tank. The soil on the top and sides of the tank primarily consisted of brown fine sand. No petroleum staining or odors were observed in the excavation or the material removed. The location of this tank coincides with the anomaly identified in the GPR survey conducted in July 2019. Field observations indicate the tank was not properly abandoned in-place.

6.0 RESULTS OF ANALYTICAL TESTING

6.1 Soil Analytical Results

The results of the soil analytical testing are presented in **Table 1** and depicted on **Figure 4**. The laboratory analytical reports are included in **Appendix B**.

VOCs: All soil samples collected during this phase of assessment were submitted for VOC analysis. Results of analytical testing indicate that 22 VOC analytes were detected in the soil samples at concentrations above laboratory method detection limits (MDLs). All detected VOC concentrations were below the respective GDCS for the Commercial/Industrial Land Use Category and the Construction/Excavation Activities Category.

The VOC analytical results are summarized in **Table 1**.

6.2 Groundwater Analytical Results

The results of the groundwater analytical testing are presented in **Table 2** and depicted on **Figure 5**. The laboratory analytical report is included in **Appendix C**.

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VOCs: Groundwater analytical testing indicated that seven VOC analytes were present in groundwater samples at concentrations above the laboratory MDLs. With the exception of trichloroethene (TCE), the detected VOC analyte concentrations were several orders of magnitude below their respective VISL Target Groundwater Concentration for Commercial Use.

TCE was detected at MW-04 at a concentration of 0.01 milligrams per liter (mg/L), which is below the VISL Target Groundwater Concentration for Commercial Use and the Ohio EPA Accelerated Response Action Level for a Commercial Exposure Scenario (0.044 mg/L).

6.3 Sub-Slab Vapor, Soil Gas, and Ambient Air Analytical Results

The results of the sub-slab vapor, soil gas, and ambient air testing are presented on **Table 3** and depicted on **Figure 6.** The laboratory report is included in **Appendix B**. Sub-slab vapor, soil gas, and ambient air samples collected were analyzed for VOCs. All laboratory RDLs are below the cited comparison standards. VOC analytes detected in the background gas sample (SV-06) did not indicate that outdoor air would influence sub-slab vapor and soil gas samples collected.

Sub-Slab Vapor

Analytical results indicate that 15 VOC analytes were present in the sub-slab vapor sample (SV-05) collected from the beneath the building in the northern portion of the Property. Detected VOC analytes were below their respective VAP comparison standards with the applied attenuation factor.

Soil Gas

Analytical results indicate that 19 VOC analytes were present in the soil gas samples (SV-03 and SV-04) collected from the southwestern and central portions of the vacant lot in the southern portion of the Property. With the exception of TCE, the detected VOC analytes were below their respective VAP comparison standards with the applied attenuation factor.

At SV-03, TCE was present at a concentration of 325 $\mu g/m^3$, which is above the cited Ohio EPA standards for TCE in a commercial scenario (290 $\mu g/m^3$).

7.0 LIMITATIONS

The analytical results and conclusions presented in this supplemental report are based on results from the current installation of eight (8) soil borings, two (2) groundwater monitoring wells, one (1) sub-slab vapor sample point, and two (2) soil gas sample points; and limited soil, groundwater, and soil-gas/sub-slab vapor sample analyses. Although the results presented above provide a reasonable indication of conditions in the areas evaluated, they may not be indicative of conditions in areas of the Property not evaluated by Partners.

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8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the Supplemental Limited Phase II Investigation activities and information contained in this report, Partners presents the following summary and conclusions regarding the Property.

Subsurface Profile

The subsurface profile may be generalized as discontinuous areas of fill underlain by primarily granular soils and then shale bedrock.

The static groundwater levels measured in the monitoring wells ranged from 6.5 feet bgs at MW-02 to 13.01 feet bgs at MW-03, and the general direction of groundwater flow is to the northwest.

Exploratory Excavation

Based on results of the excavation activities, an approximately 800 to 1,000-gallon steel UST is present on the southwestern portion of the Property. This tank location correlates with the subsurface anomaly identified in the GPR survey conducted in July 2019. It does not appear that the UST was abandoned in place.

Soil Testing

The July 2019 investigation identified TCE concentrations in soil at SB-02 (10 to 12 feet; 111 mg/kg) exceeding the Ohio EPA VAP GDCS for Commercial/Industrial Land Use Category (51 mg/kg) and the Construction and Excavation Activities Category (17 mg/kg).

The results of supplemental soil analytical testing indicate that TCE impacted soils in the southern portion of the Property appear to have been delineated. The only TCE concentration exceeding a cited standard is present at SB-02 (10-12 feet). However, the VAP point of compliance (POC) for the commercial/industrial worker is two (2) feet and the POC for construction/excavation activities is 10 feet. The boring log for SB-02 indicates this sample interval (10-12 feet) is below the depth to groundwater encounter and PID readings above this interval do not suggest an elevated volatile impact. Therefore, this sample interval may be representative of groundwater impact. Based on this and the POCs discussed above, the concentration of TCE present at this depth does not appear to impact the use of the Property. Based on supplemental soil testing, the location of SB-02 likely represents the potential source area on-Property.

Groundwater Testing

Analytical results show no concentrations of COCs in groundwater exceeding the VISL or the Ohio EPA Accelerated Response Action Levels for a commercial scenario. No further assessment of groundwater for on-Property receptors appears warranted at this time.

Sub-Slab Vapor and Soil Gas Testing

Results of analysis of sub-slab vapor beneath the building on the Property (SV-05) showed no concentrations of VOCs above applicable standards for commercial use. No additional assessment of sub-slab vapor appears warranted at this time.

The initial results of soil gas testing in the southern portion of the Property indicates that an elevated concentration of TCE was present in soil gas at SV-02. Supplemental analytical testing downgradient of this location at SV-04 indicates that TCE is not present in soil gas at a concentration exceeding the cited commercial standards.

Soil gas analytical results from the southwestern portion of the Property (SV-03), at the location of the existing UST, indicate that TCE is present in the soil gas at a concentration exceeding the cited commercial standards. The presence of TCE in soil gas on this portion of the Property could represent a risk to adjacent potential off-Property commercial or residential receptors.

Recommendations

Partners recommends that a UST closure be completed in accordance with the BUSTR Corrective Action process described in OAC 1301:7-9-13.

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Partners understands that the northern portion of the Property is to be renovated and repurposed. Activities will not include removing the existing building and the future use will be as a storage facility. If excavations are planned at the Property, specifically on the southern portion of the Property, Partners recommends that a Soil Management Plan be developed and implemented to address impacted soils.

Soil gas, specifically on the southern portion of the Property, has been impacted with TCE at concentrations exceeding cited commercial standards. It does not appear that the presence of TCE in the soil gas on the southern portion of the Property has negatively impacted the existing commercial building on the northern portion of the Property. If the southern portion of the Property is to be developed with any kind of an occupiable structure, Partners recommends, at a minimum, that an engineering control such as a sub-slab depressurization system (SSDS) be installed during construction of any such building. Depending on the future plans for this portion of the Property, the Client may wish to further assess/confirm/delineate soil gas impacts.

The results of groundwater and soil gas analytical testing suggest that TCE is present in the groundwater and soil gas at concentrations that could negatively affect adjacent off-Property commercial and/or residential receptors. The existing building downgradient of and adjacent to the southern portion of the Property is currently a vacant commercial building; therefore, no immediate risk to residential receptors is present.

9.0 CLOSING

Thank you for the opportunity to serve your needs. Please call us at (800) 763-1363 if you have any questions or if we can be of any further assistance.

Sincerely,

Partners

Thomas A. Weir
Senior Environmental Scientist

Rick D. Vince, CP
Associate Director

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FIGURES

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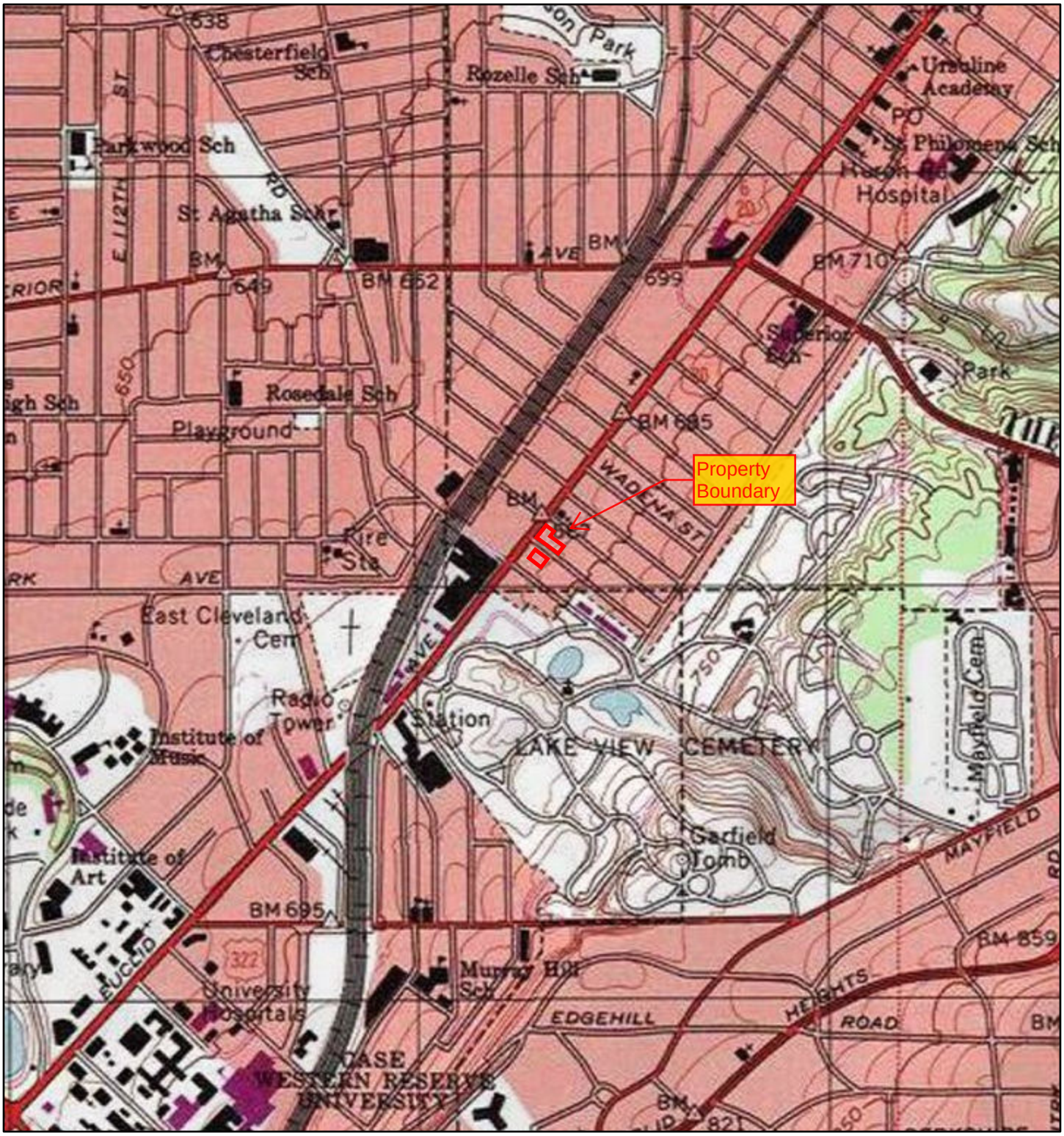
Figure 1: Property Location Map



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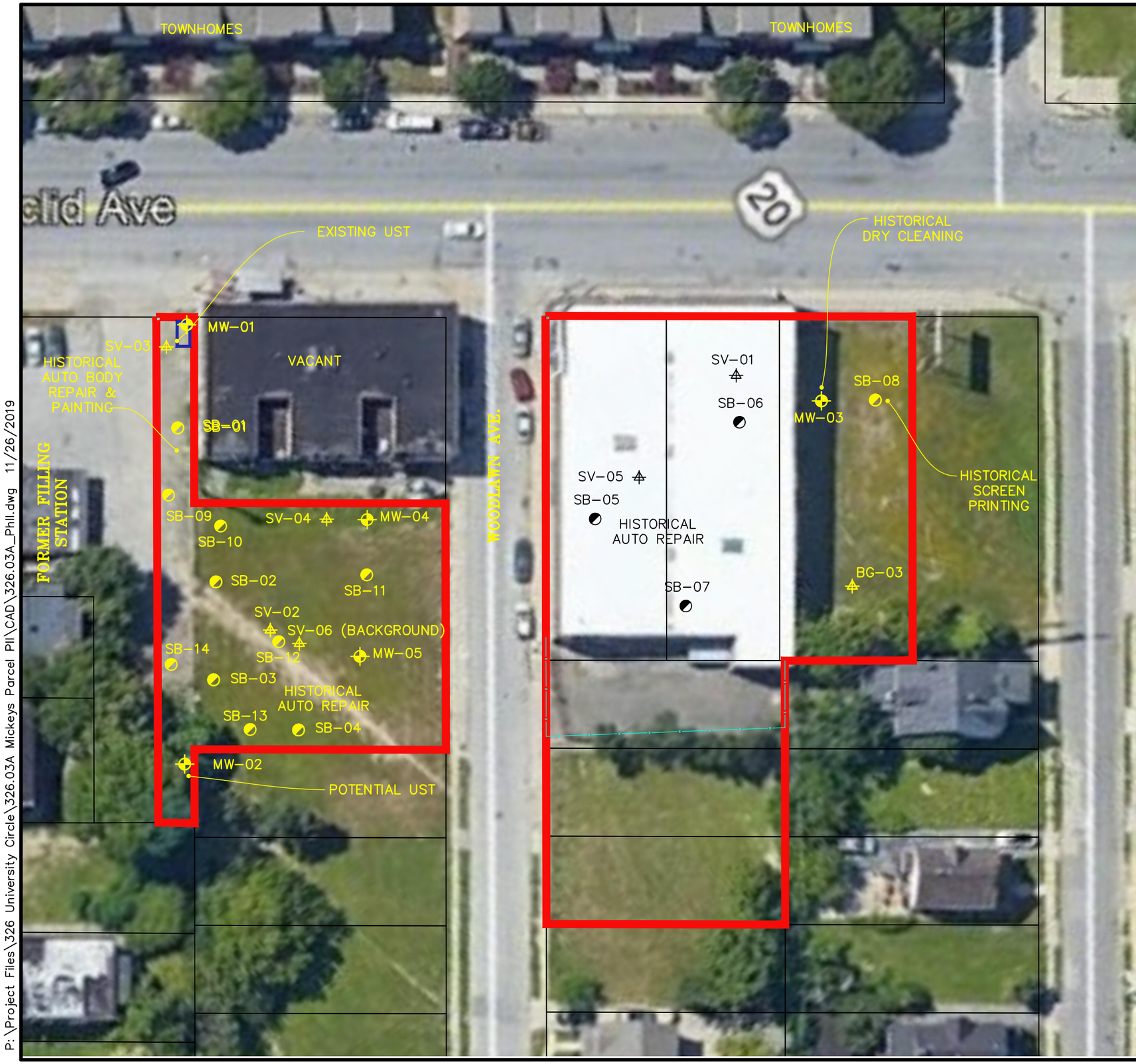
0 0.17 0.35 0.7 km

Copyright:© 2013 National Geographic Society, i-cubed

USGS
USGS The National Map: Orthoimagery | Garrity, C.P., Soller, D.R. | USGS National Map 3D Elevation Program (3DEP). Data refreshed July, 2018. | USGS National Map 3D Elevation Program



LEGEND

- APPROX. PROPERTY LINE
- SOIL GAS SAMPLE POINTS
- GROUNDWATER MONITORING WELL
- SOIL BORING

DRAWN BY: RTG
CHECKED BY: RW
DATE: 11/21/19

20 0 40
SCALE: 1" = 40'

PARTNERS

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Solon, Ohio 44139
PH: 1(800)763-1363

FIGURE 2: PROPERTY PLAN & SAMPLE LOCATION MAP

MICKEYS PARCELS SITE

12550-12558 EUCLID AVE, 1819-1823 WOODLAWN AVE AND
1810 WOODLAWN AVE, EAST CLEVELAND, CUYAHOGA COUNTY, OHIO

FOR: UNIVERSITY CIRCLE, INC.

SHEET 1 OF 1

PROJ.# 326.03B

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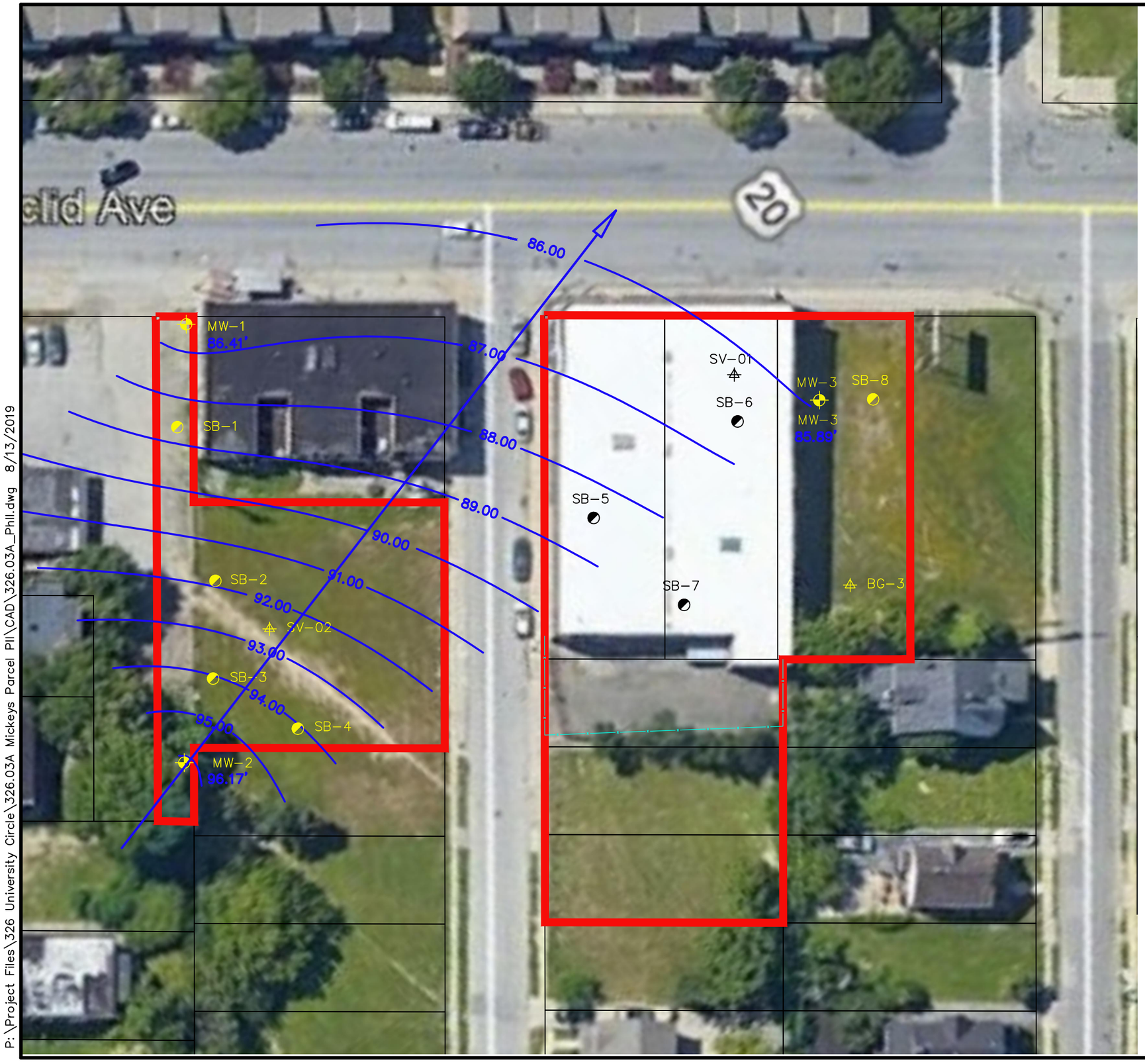

LEGEND

- APPROX. PROPERTY LINE
- SOIL GAS SAMPLE POINTS
- 100.00' GROUNDWATER MONITORING WELL W/ GROUNDWATER ELEVATION
- SOIL BORING
- 100 GROUNDWATER CONTOUR W/ ELEVATION INTERVAL
- MEASURED GROUNDWATER FLOW DIRECTION

DRAWN BY: RTG
CHECKED BY: RW
DATE: 7/29/2019

20 0 40
SCALE: 1" = 40'

PARTNERS

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Solon, Ohio 44139
PH: 1(800)763-1363

FIGURE 3: GRONDWATER CONTOUR MAP
MICKEYS PARCELS SITE
12550-12558 EUCLID AVE, 1819-1823 WOODLAWN AVE AND
1810 WOODLAWN AVE, EAST CLEVELAND, CUYAHOGA COUNTY, OHIO
FOR: UNIVERSITY CIRCLE, INC.

SHEET 1 OF 1

PROJ.# 326.03A

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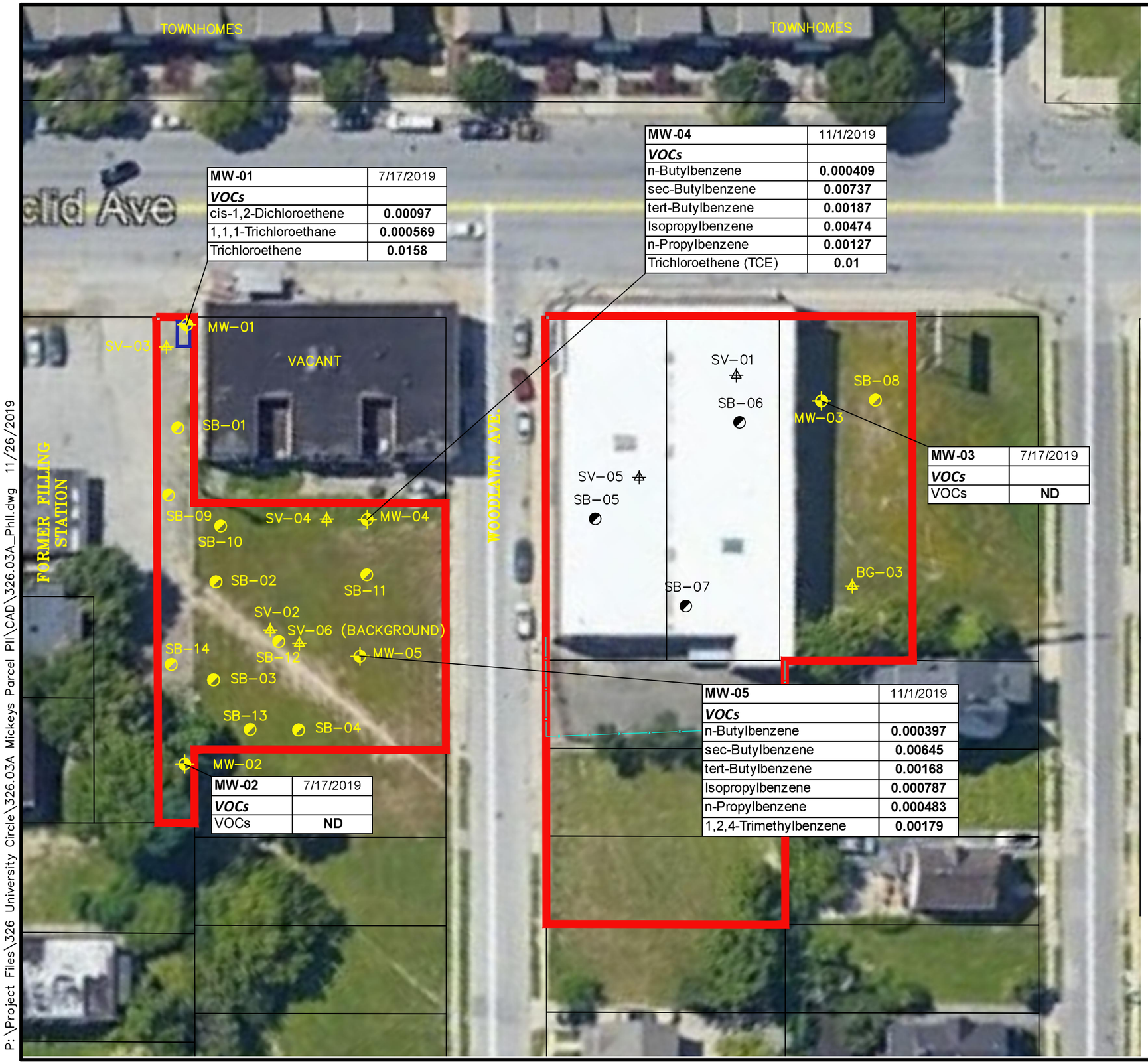

MW-01	7/17/2019
VOCs	
cis-1,2-Dichloroethene	**0.00097**
1,1,1-Trichloroethane	**0.000569**
Trichloroethene	**0.0158**

MW-04	11/1/2019
VOCs	
n-Butylbenzene	**0.000409**
sec-Butylbenzene	**0.00737**
tert-Butylbenzene	**0.00187**
Isopropylbenzene	**0.00474**
n-Propylbenzene	**0.00127**
Trichloroethene (TCE)	**0.01**

MW-03	7/17/2019
VOCs	
VOCs	**ND**

MW-05	11/1/2019
VOCs	
n-Butylbenzene	**0.000397**
sec-Butylbenzene	**0.00645**
tert-Butylbenzene	**0.00168**
Isopropylbenzene	**0.000787**
n-Propylbenzene	**0.000483**
1,2,4-Trimethylbenzene	**0.00179**

MW-02	7/17/2019
VOCs	
VOCs	**ND**

LEGEND

- APPROX. PROPERTY LINE
- SOIL GAS SAMPLE POINTS
- GROUNDWATER MONITORING WELL
- SOIL BORING

Notes
1. VOCs = Volatile Organic Compounds
2. ND = Non-detect
3. Only detections are shown
4. All results are presented in milligrams per liter (mg/L) or parts per million (ppm)
5. Shaded results indicate an exceedance of a comparison standard

DRAWN BY: RTG
CHECKED BY: RW
DATE: 11/21/2019

20 0 40
SCALE: 1" = 40'

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Solon, Ohio 44139
PH: 1(800)763-1363

FIGURE 5: DISTRIBUTIONS OF COCs IN GROUNDWATER MAP

MICKEYS PARCELS SITE

12550-12558 EUCLID AVE, 1819-1823 WOODLAWN AVE AND
1810 WOODLAWN AVE, EAST CLEVELAND, CUYAHOGA COUNTY, OHIO

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SHEET 1 OF 1

PROJ.# 326.03B

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SB-09	10/31/2019	10/31/2019
	0-2 FT	10-12 FT
VOCs		
cis-1,2-Dichloroethene	<0.00290	**0.00487**
Ethylbenzene	<0.00290	**0.000711**
2-Butanone (MEK)	**0.0381**	**0.03**
Methylene Chloride	**0.00962**	**0.00807**
Tetrachloroethene (PCE)	<0.00290	**0.00271**
Toluene	**0.00155**	**0.00157**
Trichloroethene (TCE)	**0.0125**	**0.699**
1,2,4-Trimethylbenzene	**0.00195**	<0.00569

SB-10	10/31/2019	10/31/2019
	0-12 FT	14-16 FT
VOCs		
tert-Butylbenzene	**0.00184**	<0.00601
cis-1,2-Dichloroethene	<0.00297	**0.0185**
2-Butanone (MEK)	**0.0276**	**0.0342**
Methylene Chloride	**0.00839**	**0.0091**
Naphthalene	**0.00734**	**0.00409**
Toluene	<0.00595	**0.00192**
Trichloroethene (TCE)	**0.00503**	**6.04**
1,2,4-Trimethylbenzene	**0.00408**	**0.00186**
1,3,5-Trimethylbenzene	**0.00253**	<0.00601

SB-2	7/15/2019
	10-12 FT
VOCs	
Chlorobenzene	**0.00288**
cis-1,2-Dichloroethene	**0.0108**
Ethylbenzene	**0.000715**
n-Hexane	**0.00491**
2-Butanone (MEK)	**0.0249**
Tetrachloroethene	**0.00898**
Toluene	**0.00236**
1,1,2-Trichloroethane	**0.00721**
Trichloroethene	**111**
1,2,4-Trimethylbenzene	**0.00205**
PAHs	
PAHs	ND
TPH	
TPH C6-C12	**0.373**
TPH C10-C20	**3.14**
TPH C20-C34	**4.24**
PCBs	
PCBs	ND
RCRA 8 Metals	
Mercury	**0.00784**
Arsenic	**8.65**
Barium	**34.8**
Cadmium	**0.367**
Chromium	**12.9**
Lead	**9.94**
Selenium	**0.948**

SB-3	7/15/2019
	6-8 FT
VOCs	
Chloroethane	**0.00206**
cis-1,2-Dichloroethene	**0.00349**
2-Butanone (MEK)	**0.0259**
Tetrachloroethene	**0.00132**
Trichloroethene	**0.672**
PAHs	
PAHs	ND
TPH	
TPH C6-C12	**0.303**
TPH C10-C20	**1.43**
TPH C20-C34	**1.51**
PCBs	
PCBs	ND
RCRA 8 Metals	
Mercury	**0.00844**
Arsenic	**7.59**
Barium	**30.5**
Cadmium	**0.374**
Chromium	**10.6**
Lead	**9.72**

SB-1	7/15/2019
	2-4 FT
VOCs	
2-Butanone (MEK)	**0.0223**
PAHs	
PAHs	NT
TPH	
TPH C6-C12	**0.0388**
TPH C20-C34	**2.24**
PCBs	
PCBs	NT
RCRA 8 Metals	
RCRA 8 Metals	NT

SB-14	10/31/2019	10/31/2019
	0-2 FT	10-12 FT
VOCs		
Acetone	**0.0166**	**0.0241**
Benzene	**0.0011**	**0.00082**
cis-1,2-Dichloroethene	<0.00277	**0.0996**
Ethylbenzene	**0.000956**	<0.00282
n-Hexane	**0.0119**	<0.00564
2-Butanone (MEK)	**0.0531**	**0.0602**
Naphthalene	**0.00698**	<0.0141
Tetrachloroethene (PCE)	<0.00277	**0.00331**
Toluene	**0.00293**	**0.00158**
Trichloroethene (TCE)	<0.00111	**3.63**
1,2,4-Trimethylbenzene	**0.00371**	<0.00564
1,3,5-Trimethylbenzene	**0.00125**	<0.00564
Xylenes, Total	**0.0101**	<0.00733

MW-2	7/15/2019
	4-6 FT
VOCs	
Benzene	**0.000547**
Chloroform	**0.000578**
2-Butanone (MEK)	**0.0228**
Toluene	**0.0041**
1,2,4-Trimethylbenzene	**0.00212**
Xylenes, Total	**0.00572**
PAHs	
PAHs	NT
TPH	
TPH C6-C12	**0.0903**
TPH C20-C34	**936**
PCBs	
PCBs	NT
RCRA 8 Metals	
RCRA 8 Metals	NT

MW-1	7/15/2019
VOCs	
2-Butanone (MEK)	**0.0233**
1,1,1-Trichloroethane	**0.00668**
Trichloroethene	**0.167**
PAHs	
PAHs	NT
TPH	
TPH C6-C12	**0.0516**
TPH C10-C20	**3.82**
TPH C20-C34	**4.68**
PCBs	
PCBs	NT
RCRA 8 Metals	
RCRA 8 Metals	NT

SB-11	10/31/2019	10/31/2019
	0-2 FT	14-16 FT
VOCs		
cis-1,2-Dichloroethene	<0.00299	**0.00273**
Ethylbenzene	<0.00299	**0.000774**
2-Butanone (MEK)	**0.0658**	**0.0619**
Methylene Chloride	**0.00819**	<0.0288
Tetrachloroethene (PCE)	**0.00215**	<0.00288
Toluene	<0.00597	**0.00277**
Trichloroethene (TCE)	**0.229**	**0.12**
1,2,4-Trimethylbenzene	<0.00597	**0.0015**

MW-04	10/31/2019	10/31/2019
	0-2 FT	12-14 FT
VOCs		
Benzene	<0.00112	**0.000626**
n-Butylbenzene	<0.0140	**0.0211**
sec-Butylbenzene	<0.0140	**0.0626**
tert-Butylbenzene	<0.00558	**0.00575**
2-Chlorotoluene	<0.00279	**0.00495**
Ethylbenzene	**0.00804**	**0.0167**
n-Hexane	<0.00558	**0.0894**
Isopropylbenzene	<0.00279	**0.0278**
p-Isopropyltoluene	<0.00558	**0.0236**
2-Butanone (MEK)	**0.0294**	<0.0302
Methylene Chloride	**0.00826**	**0.0101**
Naphthalene	**0.00763**	**0.0319**
n-Propylbenzene	<0.00558	**0.0345**
Toluene	<0.00558	**0.00587**
Trichloroethene (TCE)	**0.00162**	<0.00121
1,2,4-Trimethylbenzene	**0.00372**	**0.0764**
1,3,5-Trimethylbenzene	**0.00238**	**0.0403**
Xylenes, Total	<0.00726	**0.0116**

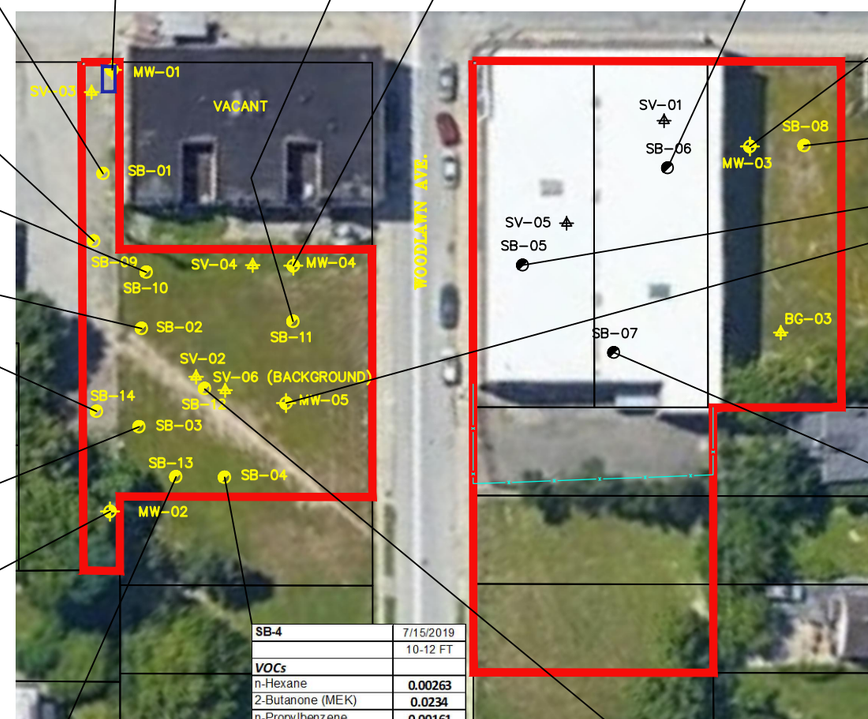
SB-6	7/15/2019
	6-8 FT
VOCs	
2-Butanone (MEK)	**0.0267**
PAHs	
PAHs	ND
TPH	
TPH	ND
PCBs	
PCBs	ND
RCRA 8 Metals	
Mercury	**0.00741**
Arsenic	**4.28**
Barium	**19**
Cadmium	**0.147**
Chromium	**6.46**
Lead	**4.23**

MW-3	7/15/2019
	0-2 FT
VOCs	
2-Butanone (MEK)	**0.0247**
Tetrachloroethene	**0.00161**
PAHs	
PAHs	NT
TPH	
TPH C6-C12	**0.131**
TPH C10-C20	**2.88**
TPH C20-C34	**10.4**
PCBs	
PCBs	NT
RCRA 8 Metals	
RCRA 8 Metals	NT

LEGEND

- APPROX. PROPERTY LINE
- SOIL GAS SAMPLE POINTS
- GROUNDWATER MONITORING WELL
- SOIL BORING

SB-8	7/15/2019
	8-10 FT
VOCs	
2-Butanone (MEK)	**0.0265**
PAHs	
PAHs	NT
TPH	
TPH C6-C12	**0.106**
TPH C10-C20	**2.97**
TPH C20-C34	**18.3**
PCBs	
PCBs	NT
RCRA 8 Metals	
RCRA 8 Metals	NT



SB-4	7/15/2019
	10-12 FT
VOCs	
n-Hexane	**0.00263**
2-Butanone (MEK)	**0.0234**
n-Propylbenzene	**0.00161**
Trichloroethene	**0.000826**
1,2,4-Trimethylbenzene	**0.0021**
PAHs	
Benzo(g,h,i)perylene	**0.00783**
Naphthalene	**0.012**
Phenanthrene	**0.028**
TPH	
TPH C6-C12	**0.0409**
TPH C10-C20	**5.85**
TPH C20-C34	**5.75**
PCBs	
PCBs	ND
RCRA 8 Metals	
Mercury	**0.00428**
Arsenic	**14.6**
Barium	**27.4**
Cadmium	**0.229**
Chromium	**25.4**
Lead	**17.3**
Selenium	**0.777**

SB-13	10/31/2019	10/31/2019
	0-2 FT	6-8 FT
VOCs		
Benzene	<0.00109	**0.159**
n-Butylbenzene	<0.0137	**0.00877**
sec-Butylbenzene	<0.0137	**0.0102**
tert-Butylbenzene	<0.00547	**0.00499**
Ethylbenzene	<0.00274	**0.0415**
n-Hexane	<0.00547	**0.969**
Isopropylbenzene	<0.00274	**0.0442**
p-Isopropyltoluene	<0.00547	**0.00857**
2-Butanone (MEK)	**0.0411**	<0.0288
Naphthalene	**0.00547**	**0.0106**
n-Propylbenzene	<0.00547	**0.0445**
Toluene	<0.00547	**0.00486**
Trichloroethene (TCE)	**0.00152**	<0.00115
1,2,3-Trichloropropane	<0.0137	<0.0144
1,2,4-Trimethylbenzene	**0.00413**	**0.298**
1,3,5-Trimethylbenzene	**0.00249**	**0.215**
Xylenes, Total	<0.00712	**2.19**

SB-12	10/31/2019	10/31/2019
	0-2 FT	10-12 FT
VOCs		
Acetone	**0.0209**	**0.0228**
1,2-Dichlorobenzene	<0.00584	**0.00245**
cis-1,2-Dichloroethene	<0.00292	**0.00178**
2-Butanone (MEK)	**0.0605**	**0.0638**
Tetrachloroethene (PCE)	<0.00292	**0.00738**
Trichloroethene (TCE)	**0.0316**	**0.224**

MW-05	10/31/2019	10/31/2019
	0-2 FT	8-10 FT
VOCs		
sec-Butylbenzene	<0.0146	**0.029**
Ethylbenzene	**0.00155**	<0.0232
2-Butanone (MEK)	**0.0246**	<0.232
Methylene Chloride	**0.0099**	**0.0665**
Naphthalene	**0.00932**	<0.116
Toluene	**0.00151**	<0.0464
Trichloroethene (TCE)	**0.00367**	**0.0169**
1,2,3-Trichloropropane	<0.0146	<0.116
1,2,4-Trimethylbenzene	**0.00306**	<0.0464
1,3,5-Trimethylbenzene	**0.00239**	<0.0464

SB-7	7/15/2019
	4-6 FT
VOCs	
2-Butanone (MEK)	**0.0282**
PAHs	
PAHs	ND
TPH	
TPH C6-C12	**<0.117**
TPH C10-C20	**<4.69**
TPH C20-C34	**0.88**
PCBs	
PCBs	ND
RCRA 8 Metals	
Mercury	**0.00602**
Arsenic	**2.69**
Barium	**30.4**
Cadmium	**0.22**
Chromium	**7.8**
Lead	**5.52**

SB-5	7/15/2019
	4-6 FT
VOCs	
Benzene	**0.0333**
n-Butylbenzene	**0.566**
sec-Butylbenzene	**0.236**
1,2-Dichlorobenzene	**0.028**
Ethylbenzene	**1.01**
n-Hexane	**0.0964**
Isopropylbenzene	**0.175**
p-Isopropyltoluene	**0.157**
Naphthalene	**2.58**
n-Propylbenzene	**0.813**
1,1,2,2-Tetrachloroethane	**0.874**
Toluene	**1.1**
1,2,4-Trimethylbenzene	**6.69**
1,3,5-Trimethylbenzene	**2.04**
Xylenes, Total	**6.1**
PAHs	
Acenaphthene	**0.109**
Benzo(g,h,i)perylene	**0.293**
Chrysene	**0.234**
Fluoranthene	**0.195**
Fluorene	**0.22**
Naphthalene	**1.27**
Phenanthrene	**0.439**
Pyrene	**0.686**
TPH	
TPH C6-C12	**470**
TPH C10-C20	**650**
TPH C20-C34	**3540**
PCBs	
PCB 1260	**0.374**
RCRA 8 Metals	
Mercury	**0.00447**
Arsenic	**6.37**
Barium	**32.1**
Cadmium	**0.206**
Chromium	**7.63**
Lead	**38.5**

Notes
1. VOCs = Volatile Organic Compounds
2. ND = Non-detect
3. Only detections are shown
4. All results are presented in milligrams per kilograms (mg/kg) or parts per million (ppm)
5. Shaded results indicate an exceedance of a comparison standard

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CHECKED BY: RW
DATE: 11/21/2019

30 0 60
SCALE: 1" = 60'

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PH: 1(800)763-1363

FIGURE 4: DISTRIBUTIONS OF COCs IN SOIL MAP
MICKEYS PARCELS SITE
12550-12558 EUCLID AVE, 1819-1823 WOODLAWN AVE AND
1810 WOODLAWN AVE, EAST CLEVELAND, CUYAHOGA COUNTY, OHIO
FOR: UNIVERSITY CIRCLE, INC.

SHEET 1 OF 1
PROJ.# 326.03B

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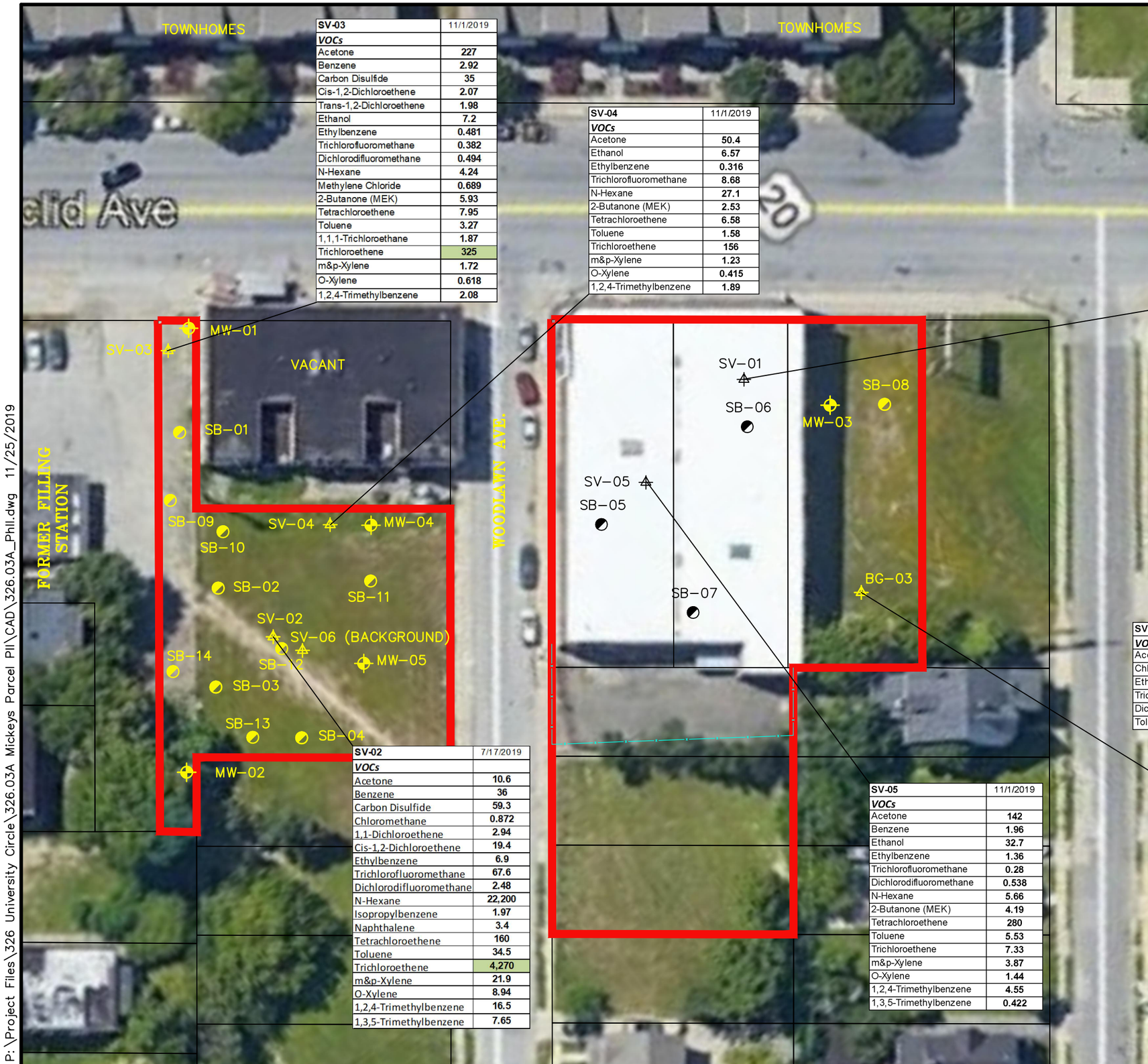

SV-03	11/1/2019
VOCs	
Acetone	227
Benzene	2.92
Carbon Disulfide	35
Cis-1,2-Dichloroethene	2.07
Trans-1,2-Dichloroethene	1.98
Ethanol	7.2
Ethylbenzene	0.481
Trichlorofluoromethane	0.382
Dichlorodifluoromethane	0.494
N-Hexane	4.24
Methylene Chloride	0.689
2-Butanone (MEK)	5.93
Tetrachloroethene	7.95
Toluene	3.27
1,1,1-Trichloroethane	1.87
Trichloroethene	325
m&p-Xylene	1.72
O-Xylene	0.618
1,2,4-Trimethylbenzene	2.08

SV-04	11/1/2019
VOCs	
Acetone	50.4
Ethanol	6.57
Ethylbenzene	0.316
Trichlorofluoromethane	8.68
N-Hexane	27.1
2-Butanone (MEK)	2.53
Tetrachloroethene	6.58
Toluene	1.58
Trichloroethene	156
m&p-Xylene	1.23
O-Xylene	0.415
1,2,4-Trimethylbenzene	1.89

SV-01	7/17/2019
VOCs	
Acetone	898
Allyl Chloride	137
Benzene	7.21
Carbon Disulfide	18.9
Chloroform	16.6
Ethanol	83.5
Ethylbenzene	18
Trichlorofluoromethane	1.36
Dichlorodifluoromethane	2.51
N-Hexane	12.4
Isopropylbenzene	29
2-Butanone (MEK)	18.4
Tetrachloroethene	407
Toluene	25.1
1,1,1-Trichloroethane	1.4
Trichloroethene	35.3
m&p-Xylene	70
O-Xylene	108
1,2,4-Trimethylbenzene	389
1,3,5-Trimethylbenzene	233

SV-06 (Background)	11/1/2019
VOCs	
Acetone	2.74
Chloromethane	0.488
Ethanol	4.35
Trichlorofluoromethane	0.237
Dichlorodifluoromethane	0.507
Toluene	0.312

SV-02	7/17/2019
VOCs	
Acetone	10.6
Benzene	36
Carbon Disulfide	59.3
Chloromethane	0.872
1,1-Dichloroethene	2.94
Cis-1,2-Dichloroethene	19.4
Ethylbenzene	6.9
Trichlorofluoromethane	67.6
Dichlorodifluoromethane	2.48
N-Hexane	22,200
Isopropylbenzene	1.97
Naphthalene	3.4
Tetrachloroethene	160
Toluene	34.5
Trichloroethene	4,270
m&p-Xylene	21.9
O-Xylene	8.94
1,2,4-Trimethylbenzene	16.5
1,3,5-Trimethylbenzene	7.65

SV-05	11/1/2019
VOCs	
Acetone	142
Benzene	1.96
Ethanol	32.7
Ethylbenzene	1.36
Trichlorofluoromethane	0.28
Dichlorodifluoromethane	0.538
N-Hexane	5.66
2-Butanone (MEK)	4.19
Tetrachloroethene	280
Toluene	5.53
Trichloroethene	7.33
m&p-Xylene	3.87
O-Xylene	1.44
1,2,4-Trimethylbenzene	4.55
1,3,5-Trimethylbenzene	0.422

BG-03	7/17/2019
VOCs	
Acetone	16.1
Chloromethane	1.24
Ethanol	6.83
Trichlorofluoromethane	1.31
Dichlorodifluoromethane	2.43
Toluene	1.03
Trichloroethene	2.42

LEGEND

- APPROX. PROPERTY LINE
- SOIL GAS SAMPLE POINTS
- GROUNDWATER MONITORING WELL
- SOIL BORING

Notes
1. VOCs = Volatile Organic Compounds
2. ND = Non-detect
3. Only detections are shown
4. All results are presented in micrograms per meter cubed. (µg/m3) or parts per million (ppm)
5. Shaded results indicate an exceedance of a comparison standard

DRAWN BY: RTG
CHECKED BY: RW
DATE: 11/21/2019

20 0 40
SCALE: 1" = 40'

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PH: 1(800)763-1363

FIGURE 6: DISTRIBUTIONS OF COCs IN SUB-SLAB VAPOR MAP

MICKEYS PARCELS SITE

12550-12558 EUCLID AVE, 1819-1823 WOODLAWN AVE AND
1810 WOODLAWN AVE, EAST CLEVELAND, CUYAHOGA COUNTY, OHIO

FOR: UNIVERSITY CIRCLE, INC.

SHEET 1 OF 1

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TABLES

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Table 1
Summary of VOCs in Soil
Mickey's Parcels Site
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

Sample ID (Depth[1])		VAP Standards[3]		SB-01 (2-4 FT)	SB-02 (10-12 FT)	SB-03 (6-8 FT)	SB-04 (10-12 FT)	SB-05 (4-6 FT)	SB-06 (6-8 FT)	SB-07 (4-6 FT)	SB-08 (8-10 FT)	MW-01 (10-12 FT)	MW-02 (4-6 FT)	MW-03 (0-2 FT)	SB-09 (0-2 FT)	SB-09 (10-12 FT)	SB-10 (0-2 FT)	SB-10 (14-16 FT)	SB-11 (0-2 FT)	SB-11 (14-16 FT)	SB-12 (0-2 FT)	SB-12 (10-12 FT)	SB-13 (0-2 FT)	SB-13 (6-8 FT)	SB-14 (0-2 FT)	SB-14 (10-12 FT)	MW-04 (0-2 FT)	MW-04 (12-14 FT)	MW-05 (0-2 FT)	MW-05 (8-10 FT)
Collection Date		GDCS Commercial/ Industrial Land Use[7]	GDCS Construction & Excavation Activities[4]	7/15/2019	7/15/2019	7/15/2019	7/15/2019	7/16/2019	7/16/2019	7/16/2019	7/16/2019	7/15/2019	7/15/2019	7/16/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019	10/31/2019
Parameter	Units[2]			Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value
Volatile Organic Compounds - VOCs																														
Acetone	mg/kg	*110,000*	*110,000*	<0.0279	<0.0287	<0.0297	<0.0269	<0.237	<0.0302	<0.0293	<0.0297	<0.0295	<0.0286	<0.0282	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	**0.0209J**	**0.0228J**	<0.0274	<0.0288	**0.0166J**	**0.0241J**	<0.0279	<0.0302	<0.0291	<0.232
Acrylonitrile	mg/kg	*32*	*62*	<0.0139	<0.0144	<0.0149	<0.0134	<0.119	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116
Benzene	mg/kg	*140*	*1,200*	<0.00111	<0.00115	<0.00119	<0.00107	**0.0333**	<0.00121	<0.00117	<0.00119	<0.00118	**0.000547 J**	<0.00113	<0.00116	<0.00114	<0.00119	<0.00120	<0.00119	<0.00115	<0.00117	<0.00117	<0.00109	**0.159**	**0.0011J**	**0.00082J**	<0.00112	**0.000626J**	<0.00117	<0.00927
Bromobenzene	mg/kg	*NE* [5]	*NE*	<0.0139	<0.0144	<0.0149	<0.0134	<0.119	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116
Bromodichloromethane	mg/kg	*35*	*300*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Bromoform	mg/kg	*6,200*	*130,000*	<0.0279	<0.0287	<0.0297	<0.0269	<0.237	<0.0302	<0.0293	<0.0297	<0.0295	<0.0286	<0.0282	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232
Bromomethane	mg/kg	*82*	*550*	<0.0139	<0.0144	<0.0149	<0.0134	<0.119	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116
n-Butylbenzene	mg/kg	*110* [6]	*110* [6]	<0.0139	<0.0144	<0.0149	<0.0134	**0.566**	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	**0.00877J**	<0.0139	<0.0141	<0.0140	**0.0211**	<0.0146	<0.116
sec-Butylbenzene	mg/kg	*140* [6]	*140* [6]	<0.0139	<0.0144	<0.0149	<0.0134	**0.236**	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	**0.0102J**	<0.0139	<0.0141	<0.0140	**0.0626**	<0.0146	**0.029J**
tert-Butylbenzene	mg/kg	*180* [6]	*180* [6]	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	**0.00184J**	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	**0.00499J**	<0.00555	<0.00564	<0.00558	**0.00576J**	<0.00583	<0.0464
Carbon tetrachloride	mg/kg	*79*	*460*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
Chlorobenzene	mg/kg	*760*	*760*	<0.00279	**0.00288**	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Chlorodibromomethane	mg/kg	*84*	*770*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Chloroethane	mg/kg	*2,100*	*2,100*	<0.00557	<0.00575	**0.00206 J**	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
Chloroform	mg/kg	*38*	*320*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	**0.000578 J**	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Chloromethane	mg/kg	*1,300*	*1,300*	<0.0139	<0.0144	<0.0149	<0.0134	<0.119	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116
2-Chlorotoluene	mg/kg	*NE*	*NE*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	**0.00495**	<0.00291	<0.0232
4-Chlorotoluene	mg/kg	*NE*	*NE*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
1,2-Dibromo-3-Chloropropane	mg/kg	*1.7*	*15*	<0.0279	<0.0287	<0.0297	<0.0269	<0.237	<0.0302	<0.0293	<0.0297	<0.0295	<0.0286	<0.0282	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232
1,2-Dibromoethane (EDB)	mg/kg	*4.4*	*38*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Dibromomethane	mg/kg	*2,800*	*2,800*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
1,2-Dichlorobenzene	mg/kg	*380*	*380*	<0.00557	<0.00575	<0.00595	<0.00537	**0.028 J**	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	**0.00245J**	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
1,3-Dichlorobenzene	mg/kg	*NE*	*NE*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
1,4-Dichlorobenzene	mg/kg	*310*	*2,600*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
Dichlorodifluoromethane	mg/kg	*850*	*850*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,1-Dichloroethane	mg/kg	*420*	*1,700*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,2-Dichloroethane (EDC)	mg/kg	*56*	*480*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,1-Dichloroethene	mg/kg	*1,200*	*360*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
cis-1,2-Dichloroethene	mg/kg	*2,400* [5]	*2,400* [6]	<0.00279	**0.0108**	**0.00349**	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	**0.00487**	<0.00297	**0.0185**	<0.00299	**0.00273J**	<0.00292	**0.00178J**	<0.00274	<0.00288	<0.00277	**0.0996**	<0.00279	<0.00302	<0.00291	<0.0232
trans-1,2-Dichloroethene	mg/kg	*1,700*	*1,700*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
1,2-Dichloropropane	mg/kg	*120*	*180*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
1,1-Dichloropropene	mg/kg	*NE*	*NE*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,3-Dichloropropane	mg/kg	*1,500*	*1,500*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
cis-1,3-Dichloropropene	mg/kg	*NE*	*NE*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
trans-1,3-Dichloropropene	mg/kg	*NE*	*NE*	<0.00557	<0.00575	<0.00595	<0.00537	<0.0475	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	<0.00576	<0.00555	<0.00564	<0.00558	<0.00605	<0.00583	<0.0464
2,2-Dichloropropane	mg/kg	*NE*	*NE*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Ethylbenzene	mg/kg	*480*	*480*	<0.00279	**0.000715 J**	<0.00297	<0.00269	**1.01**	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	**0.000711J**	<0.00297	<0.00301	<0.00299	**0.000774J**	<0.00292	<0.00293	<0.00274	**0.0415**	**0.000956J**	<0.00282	**0.00804**	**0.0167**	**0.00155J**	<0.0232
Hexachloro-1,3-butadiene	mg/kg	*630*	*1,400*	<0.0279	<0.0287	<0.0297	<0.0269	<0.237	<0.0302	<0.0293	<0.0297	<0.0295	<0.0286	<0.0282	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232
n-Hexane	mg/kg	*140*	*140*	<0.00557	**0.00491 J**	<0.00595	**0.00263 J**	**0.0964**	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	**0.969**	**0.0119**	<0.00564	<0.00558	**0.0894**	<0.00583	<0.0464
Isopropylbenzene	mg/kg	*270*	*270*	<0.00279	<0.00287	<0.00297	<0.00269	**0.175**	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	**0.0442**	<0.00277	<0.00282	<0.00279	**0.0278**	<0.00291	<0.0232
p-Isopropyltoluene	mg/kg	*160* [6]	*160* [6]	<0.00557	<0.00575	<0.00595	<0.00537	**0.157**	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	**0.00857**	<0.00555	<0.00564	<0.00558	**0.0236**	<0.00583	<0.0464
2-Butanone (MEK)	mg/kg	*28,000*	*28,000*	**0.0223 J**	**0.0249 J**	**0.0259 J**	**0.0234 J**	<0.237	**0.0267 J**	**0.0282 J**	**0.0265 J**	**0.0233 J**	**0.0228 J**	**0.0247 J**	**0.0381**	**0.03**	**0.0276J**	**0.0342**	**0.0658**	**0.0619**	**0.0605**	**0.0638**	**0.0411**	<0.0288	**0.0531**	**0.0602**	**0.0294**	<0.0302	**0.0246**	<0.232
Methylene Chloride	mg/kg	*3,300*	*3,300*	<0.0279	<0.0287	<0.0297	<0.0269	<0.237	<0.0302	<0.0293	<0.0297	<0.0295	<0.0286	<0.0282	**0.00962J**	**0.00807J**	**0.00839J**	**0.0091J**	**0.00819J**	<0.0288	<0.0292	<0.0293	<0.0274	<0.0288	<0.0277	<0.0282	**0.00826J**	**0.0101J**	**0.0099J**	**0.0665J**
4-Methyl-2-pentanone (MIBK)	mg/kg	*3,400*	*3,400*	<0.0279	<0.0287	<0.0297	<0.0269	<0.237	<0.0302	<0.0293	<0.0297	<0.0295	<0.0286	<0.0282	<0.0290	<0.0284	<0.0297	<0.0301	<0.0299	<0.0288	<0.0292	<0.0293	<0.0274	<0.0288	<0.0277	<0.0282	<0.0279	<0.0302	<0.0291	<0.232
Methyl tert-butyl ether (MTBE)	mg/kg	*5,700*	*8,900*	<0.00111	<0.00115	<0.00119	<0.00107	<0.00950	<0.00121	<0.00117	<0.00119	<0.00118	<0.00114	<0.00113	<0.00116	<0.00114	<0.00119	<0.00120	<0.00119	<0.00115	<0.00117	<0.00117	<0.00109	<0.00115	<0.00111	<0.00113	<0.00112	<0.00121	<0.00117	<0.00927
Naphthalene	mg/kg	*450*	*560*	<0.0139	<0.0144	<0.0149	<0.0134	**2.58**	<0.0151	<0.0146	<0.0149	<0.0147	**0.0137 J**	<0.0141	<0.0145	<0.0142	**0.00734J**	**0.00409J**	<0.0149	<0.0144	<0.0146	<0.0146	**0.00547J**	**0.0106J**	**0.00698J**	<0.0141	**0.00763J**	**0.0319**	**0.00932J**	<0.116
n-Propylbenzene	mg/kg	*260* [6]	*260* [6]	<0.00557	<0.00575	<0.00595	**0.00161 J**	**0.813**	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	<0.00595	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	<0.00547	**0.0445**	<0.00555	<0.00564	<0.00558	**0.0345**	<0.00583	<0.0464
Styrene	mg/kg	*870*	*870*	<0.0139	<0.0144	<0.0149	<0.0134	<0.119	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116
1,1,1,2-Tetrachloroethane	mg/kg	*240*	*680*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,1,2,2-Tetrachloroethane	mg/kg	*75*	*670*	<0.00279	<0.00287	<0.00297	<0.00269	**0.874**	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Tetrachloroethene (PCE)	mg/kg	*170*	*170*	<0.00279	**0.00898**	**0.00132 J**	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	**0.00161 J**	<0.00290	**0.00271J**	<0.00297	<0.00301	**0.00215J**	<0.00288	<0.00292	**0.00738**	<0.00274	<0.00288	<0.00277	**0.00331**	<0.00279	<0.00302	<0.00291	<0.0232
Toluene	mg/kg	*820*	*820*	<0.00557	**0.00236 J**	<0.00595	<0.00537	**1.1**	<0.00604	<0.00586	<0.00594	<0.00589	**0.0041 J**	<0.00564	**0.00155J**	**0.00157J**	<0.00595	**0.00192J**	<0.00597	**0.00277J**	<0.00584	<0.00586	<0.00547	**0.00486J**	**0.00293J**	**0.00158J**	<0.00558	**0.00587J**	**0.00151J**	<0.0464
1,2,3-Trichlorobenzene	mg/kg	*NE*	*NE*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,2,4-Trichlorobenzene	mg/kg	*400*	*400*	<0.0139	<0.0144	<0.0149	<0.0134	<0.119	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116
1,1,1-Trichloroethane	mg/kg	*640*	*640*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	**0.00668**	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,1,2-Trichloroethane	mg/kg	*140*	*1,200*	<0.00279	**0.00721**	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Trichloroethene (TCE)	mg/kg	*51*	*17*	<0.00111	**111**	**0.672**	**0.000826 J**	<0.00950	<0.00121	<0.00117	<0.00119	**0.167**	<0.00114	<0.00113	**0.0125**	**0.699**	**0.00503**	**6.04**	**0.229**	**0.12**	**0.0316**	**0.224**	**0.00152**	<0.00115	<0.00111	**3.63**	**0.00162**	<0.00121	**0.00367**	**0.0169**
Trichlorofluoromethane	mg/kg	*1,200*	*1,200*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
1,2,3-Trichloropropane	mg/kg	*3.8* [6]	*19* [6]	<0.0139	<0.0144	<0.0149	<0.0134	<0.119	<0.0151	<0.0146	<0.0149	<0.0147	<0.0143	<0.0141	<0.0145	<0.0142	<0.0149	<0.0150	<0.0149	<0.0144	<0.0146	<0.0146	<0.0137	<0.0144	<0.0139	<0.0141	<0.0140	<0.0151	<0.0146	<0.116
1,2,4-Trimethylbenzene	mg/kg	*220*	*220*	<0.00557	**0.00205 J**	<0.00595	**0.0021 J**	6.69	<0.00604	<0.00586	<0.00594	<0.00589	**0.00212 J**	<0.00564	**0.00195J**	<0.00569	**0.00408J**	**0.00186J**	<0.00597	**0.0015J**	<0.00584	<0.00586	**0.00413J**	**0.298**	**0.00371J**	<0.00564	**0.00372J**	**0.0764**	**0.00306J**	<0.0464
1,3,5-Trimethylbenzene	mg/kg	*180* [6]	*180* [6]	<0.00557	<0.00575	<0.00595	<0.00537	**2.04**	<0.00604	<0.00586	<0.00594	<0.00589	<0.00572	<0.00564	<0.00581	<0.00569	**0.00253J**	<0.00601	<0.00597	<0.00576	<0.00584	<0.00586	**0.00249J**	**0.215**	**0.00125J**	<0.00564	**0.00238J**	**0.0403**	**0.00239J**	<0.0464
Vinyl chloride	mg/kg	*50*	*280*	<0.00279	<0.00287	<0.00297	<0.00269	<0.0237	<0.00302	<0.00293	<0.00297	<0.00295	<0.00286	<0.00282	<0.00290	<0.00284	<0.00297	<0.00301	<0.00299	<0.00288	<0.00292	<0.00293	<0.00274	<0.00288	<0.00277	<0.00282	<0.00279	<0.00302	<0.00291	<0.0232
Xylenes, Total	mg/kg	*260*	*260*	<0.00724	<0.00747	<0.00773	<0.00698	**6.1**	<0.00785	<0.00762	<0.00773	<0.00766	**0.00572 J**	<0.00734	<0.00755	<0.00739	<0.00773	<0.00782	<0.00776	<0.00749	<0.00759	<0.00761	<0.00712	**2.19**	**0.0101**	<0.00733	<0.00726	**0.0116**	<0.00757	<0.0603

Notes

1. FT - Feet below grade
2. mg/kg = Milligrams per kilogram - parts per million (ppm)
3. Ohio VAP GDCS Commercial/Industrial Land Use.
4. Ohio VAP GDCS Construction/Excavation Activities.
5. NE: no GDCS has been developed by the Ohio EPA.
6. Supplemental standards from the Ohio VAP CIDARS.

J: The identification of the analyte is acceptable; the reported value is an estimate.

Bolded numbers indicate a concentration above laboratory detection limits.

Bold and shaded numbers indicate a detected concentration above a comparison standard.

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Table 2
Summary of VOCs in Groundwater
Mickey's Parcels Site
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

Sample ID		*VISL* [2]	MW-01	MW-02	MW-03	MW-04	MW-05
Collection Date			7/17/2019	7/17/2019	7/17/2019	11/01/2019	11/01/2019
Parameter	Units [1]	*Commercial Scenario*	Value	Value	Value	Value	Value
Volatile Organic Compounds - VOCs							
Acetone	mg/L	*95,000*	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
Acrolein	mg/L	*0.018*	<0.00887	<0.00887	<0.00887	<0.00887	<0.00887
Acrylonitrile	mg/L	*186*	<0.00187	<0.00187	<0.00187	<0.00187	<0.00187
Benzene	mg/L	*0.069*	<0.000331	<0.000331	<0.000331	<0.000331	<0.000331
Bromobenzene	mg/L	*2.6*	<0.000352	<0.000352	<0.000352	<0.000352	<0.000352
Bromodichloromethane	mg/L	*0.038*	<0.000380	<0.000380	<0.000380	<0.000380	<0.000380
Bromoform	mg/L	*5.1*	<0.000469	<0.000469	<0.000469	<0.000469	<0.000469
Bromomethane	mg/L	*0.07*	<0.000866	<0.000866	<0.000866	<0.000866	<0.000866
n-Butylbenzene	mg/L	*NIT*	<0.000361	<0.000361	<0.000361	**0.000409 J**	**0.000397 J**
sec-Butylbenzene	mg/L	*NIT*	<0.000365	<0.000365	<0.000365	**0.00737**	**0.00645**
tert-Butylbenzene	mg/L	*NIT*	<0.000399	<0.000399	<0.000399	**0.00187**	**0.00168**
Carbon tetrachloride	mg/L	*0.018*	<0.000379	<0.000379	<0.000379	<0.000379	<0.000379
Chlorobenzene	mg/L	*1.72*	<0.000348	<0.000348	<0.000348	<0.000348	<0.000348
Chlorodibromomethane	mg/L	*NIT*	<0.000327	<0.000327	<0.000327	<0.000327	<0.000327
Chloroethane	mg/L	*NIT*	<0.000453	<0.000453	<0.000453	<0.000453	<0.000453
Chloroform	mg/L	*0.04*	<0.000324	<0.000324	<0.000324	<0.000324	<0.000324
Chloromethane	mg/L	*1.09*	<0.000276	<0.000276	<0.000276	<0.000276	<0.000276
2-Chlorotoluene	mg/L	*NIT*	<0.000375	<0.000375	<0.000375	<0.000375	<0.000375
4-Chlorotoluene	mg/L	*NIT*	<0.000351	<0.000351	<0.000351	<0.000351	<0.000351
1,2-Dibromo-3-Chloropropane	mg/L	*0.01*	<0.00133	<0.00133	<0.00133	<0.00133	<0.00133
1,2-Dibromoethane (EDB)	mg/L	*0.018*	<0.000381	<0.000381	<0.000381	<0.000381	<0.000381
Dibromomethane	mg/L	*1.09*	<0.000346	<0.000346	<0.000346	<0.000346	<0.000346
1,2-Dichlorobenzene	mg/L	*29*	<0.000349	<0.000349	<0.000349	<0.000349	<0.000349
1,3-Dichlorobenzene	mg/L	*NIT*	<0.000220	<0.000220	<0.000220	<0.000220	<0.000220
1,4-Dichlorobenzene	mg/L	*0.029*	<0.000274	<0.000274	<0.000274	<0.000274	<0.000274
Dichlorodifluoromethane	mg/L	*0.063*	<0.000551	<0.000551	<0.000551	<0.000551	<0.000551
1,1-Dichloroethane	mg/L	*0.62*	<0.000259	<0.000259	<0.000259	<0.000259	<0.000259
1,2-Dichloroethane (EDC)	mg/L	*0.20*	<0.000361	<0.000361	<0.000361	<0.000361	<0.000361
1,1-Dichloroethene	mg/L	*1.40*	<0.000398	<0.000398	<0.000398	<0.000398	<0.000398
cis-1,2-Dichloroethene (cis-DCE)	mg/L	*NIT*	**0.00097 J**	<0.000260	<0.000260	<0.000260	<0.000260
trans-1,2-Dichloroethene	mg/L	*NIT*	<0.000396	<0.000396	<0.000396	<0.000396	<0.000396
1,2-Dichloropropane	mg/L	*0.31*	<0.000306	<0.000306	<0.000306	<0.000306	<0.000306
1,1-Dichloropropene	mg/L	*NIT*	<0.000352	<0.000352	<0.000352	<0.000352	<0.000352
1,3-Dichloropropane	mg/L	*NIT*	<0.000366	<0.000366	<0.000366	<0.000366	<0.000366
cis-1,3-Dichloropropene	mg/L	*0.45*	<0.000418	<0.000418	<0.000418	<0.000418	<0.000418
trans-1,3-Dichloropropene	mg/L	*NIT*	<0.000419	<0.000419	<0.000419	<0.000419	<0.000419
2,2-Dichloropropane	mg/L	*NIT*	<0.000321	<0.000321	<0.000321	<0.000321	<0.000321
Ethylbenzene	mg/L	*0.35*	<0.000384	<0.000384	<0.000384	<0.000384	<0.000384
Hexachloro-1,3-butadiene	mg/L	*0.039*	<0.000256	<0.000256	<0.000256	<0.000256	<0.000256
n-Hexane	mg/L	*0.079*	<0.000736	<0.000736	<0.000736	<0.000736	<0.000736
Isopropylbenzene	mg/L	*3.7*	<0.000326	<0.000326	<0.000326	**0.00474**	**0.000787 J**
p-Isopropyltoluene	mg/L	*NIT*	<0.000350	<0.000350	<0.000350	<0.000350	<0.000350
2-Butanone (MEK)	mg/L	*18,950*	<0.00393	<0.00393	<0.00393	<0.00393	<0.00393
Methylene Chloride	mg/L	*35*	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
4-Methyl-2-pentanone (MIBK)	mg/L	*5,288*	<0.00214	<0.00214	<0.00214	<0.00214	<0.00214
Methyl tert-butyl ether (MTBE)	mg/L	*36*	<0.000367	<0.000367	<0.000367	<0.000367	<0.000367
Naphthalene	mg/L	*0.59*	<0.00100	<0.00100	<0.00100	<0.00100	<0.00100
n-Propylbenzene	mg/L	*26*	<0.000349	<0.000349	<0.000349	**0.00127**	**0.000483 J**
Styrene	mg/L	*93*	<0.000307	<0.000307	<0.000307	<0.000307	<0.000307
1,1,1,2-Tetrachloroethane	mg/L	*0.42*	<0.000385	<0.000385	<0.000385	<0.000385	<0.000385
1,1,2,2-Tetrachloroethane	mg/L	*0.34*	<0.000130	<0.000130	<0.000130	<0.000130	<0.000130
Tetrachloroethene (PCE)	mg/L	*1.1* [3]	<0.000372	<0.000372	<0.000372	<0.000372	<0.000372
Toluene	mg/L	*173*	<0.000412	<0.000412	<0.000412	<0.000412	<0.000412
1,2,3-Trichlorobenzene	mg/L	*NIT*	<0.000230	<0.000230	<0.000230	<0.000230	<0.000230
1,2,4-Trichlorobenzene	mg/L	*NIT*	<0.000355	<0.000355	<0.000355	<0.000355	<0.000355
1,1,1-Trichloroethane	mg/L	*60*	**0.000569 J**	<0.000319	<0.000319	<0.000319	<0.000319
1,1,2-Trichloroethane	mg/L	*0.058*	<0.000383	<0.000383	<0.000383	<0.000383	<0.000383
Trichloroethene (TCE)	mg/L	*0.044* [3]	**0.0158**	<0.000398	<0.000398	**0.01**	<0.000398
Trichlorofluoromethane	mg/L	*NIT*	<0.00120	<0.00120	<0.00120	<0.00120	<0.00120
1,2,3-Trichloropropane	mg/L	*0.235*	<0.000807	<0.000807	<0.000807	<0.000807	<0.000807
1,2,4-Trimethylbenzene	mg/L	*2.8*	<0.000373	<0.000373	<0.000373	<0.000373	**0.00179**
1,3,5-Trimethylbenzene	mg/L	*NSV*	<0.000387	<0.000387	<0.000387	<0.000387	<0.000387
Vinyl chloride	mg/L	*0.074* [3]	<0.000259	<0.000259	<0.000259	<0.000259	<0.000259
Xylenes, Total	mg/L	*3.79*	<0.00106	<0.00106	<0.00106	<0.00106	<0.00106

Notes

1. mg/L = milligrams per liter
2. USEPA VISL Target Groundwater Concentration for Commercial Use
3. Ohio EPA Response Action Levels in Groundwater

NE: No standard established by Ohio EPA; NSV: Not sufficiently volatile; NIT: No inhalation toxicity

J: The identification of the analyte is acceptable; the reported value is an estimate.

Bold numbers = concentration above detection limits.

Bold and shaded = concentration above a comparison standard.

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Table 3
Summary of VOCs in Sub-Slab Vapor, Soil Gas, and Ambient Air
Mickey's Parcels Site
12550 Euclid Avenue
East Cleveland, Cuyahoga County, Ohio

Sample ID		*Ohio VAP Generic Indoor Air Standard with Applied Attenuation Factor*	*Ohio EPA Vapor Intrusion Guidance*	SV-01	SV-02	BG-03	SV-03	SV-04	SV-05	SV-06 (Background)
Collection Date				7/17/2019	7/17/2019	7/17/2019	11/1/2019	11/1/2019	11/1/2019	11/1/2019
Parameter	Units [1]	*Commercial/Industrial Land Use [2]*	*Chronic Response Action Levels - Commercial Land Use [3]*	Value	Value	Value	Value	Value	Value	Value
Volatile Organic Compounds - VOCs										
Acetone	µg/m³	*4,666,667*	*NE*	**898**	**10.6**	**16.1**	**227**	**50.4**	**142**	**2.74**
Allyl Chloride	µg/m³	*146*	*NE*	<0.626	<0.626	<0.626	<0.200	<0.200	<0.200	<0.200
Benzene	µg/m³	*533*	*NE*	**7.21**	**36**	<0.639	**2.92**	<0.200	**1.96**	<0.200
Benzyl Chloride	µg/m³	*83*	*NE*	<1.04	<1.04	<1.04	<0.200	<0.200	<0.200	<0.200
Bromodichloromethane	µg/m³	*110*	*NE*	<1.34	<1.34	<1.34	<0.200	<0.200	<0.200	<0.200
Bromoform	µg/m³	*NE*	*NE*	<6.21	<6.21	<6.21	<0.600	<0.600	<0.600	<0.600
Bromomethane	µg/m³	*733*	*NE*	<0.776	<0.776	<0.776	<0.200	<0.200	<0.200	<0.200
Carbon Disulfide	µg/m³	*103,333*	*NE*	**18.9**	**59.3**	<0.622	**35**	<0.200	<0.200	<0.200
Carbon Tetrachloride	µg/m³	*680*	*680*	<1.26	<1.26	<1.26	<0.200	<0.200	<0.200	<0.200
Chlorobenzene	µg/m³	*7,333*	*NE*	<0.924	<0.924	<0.924	<0.200	<0.200	<0.200	<0.200
Chloroethane	µg/m³	*1,466,666*	*NE*	<0.528	<0.528	<0.528	<0.200	<0.200	<0.200	<0.200
Chloroform	µg/m³	*180*	*180*	**16.6**	<0.973	<0.973	<0.200	<0.200	<0.200	<0.200
Chloromethane	µg/m³	*13,000*	*NE*	<0.413	**0.872**	**1.24**	<0.200	<0.200	<0.200	**0.488**
Chlorodibromomethane	µg/m³	*150*	*NE*	<1.70	<1.70	<1.70	<0.200	<0.200	<0.200	<0.200
1,2-Dibromoethane	µg/m³	*6.67*	*NE*	<1.54	<1.54	<1.54	<0.200	<0.200	<0.200	<0.200
1,2-Dichlorobenzene	µg/m³	*29,333*	*NE*	<1.20	<1.20	<1.20	<0.200	<0.200	<0.200	<0.200
1,3-Dichlorobenzene	µg/m³	*NE*	*NE*	<1.20	<1.20	<1.20	<0.200	<0.200	<0.200	<0.200
1,4-Dichlorobenzene	µg/m³	*366*	*NE*	<1.20	<1.20	<1.20	<0.200	<0.200	<0.200	<0.200
1,2-Dichloroethane	µg/m³	*156*	*NE*	<0.810	<0.810	<0.810	<0.200	<0.200	<0.200	<0.200
1,1-Dichloroethane	µg/m³	*2,566*	*NE*	<0.802	<0.802	<0.802	<0.200	<0.200	<0.200	<0.200
1,1-Dichloroethene	µg/m³	*29,333*	*NE*	<0.793	**2.94**	<0.793	<0.200	<0.200	<0.200	<0.200
Cis-1,2-Dichloroethene	µg/m³	*NE*	*NE*	<0.793	**19.4**	<0.793	**2.07**	<0.200	<0.200	<0.200
Trans-1,2-Dichloroethene	µg/m³	*8666*	*NE*	<0.793	<0.793	<0.793	**1.98**	<0.200	<0.200	<0.200
1,2-Dichloropropane	µg/m³	*400*	*NE*	<0.924	<0.924	<0.924	<0.200	<0.200	<0.200	<0.200
Cis-1,3-Dichloropropene	µg/m³	*NE*	*NE*	<0.908	<0.908	<0.908	<0.200	<0.200	<0.200	<0.200
Trans-1,3-Dichloropropene	µg/m³	*NE*	*NE*	<0.908	<0.908	<0.908	<0.200	<0.200	<0.200	<0.200
1,4-Dioxane	µg/m³	*NE*	*NE*	<0.721	<0.721	<0.721	<0.200	<0.200	<0.200	<0.200
Ethanol	µg/m³	*NE*	*NE*	**83.5**	<1.19	**6.83**	**7.2**	**6.57**	**32.7**	**4.35**
Ethylbenzene	µg/m³	*1,633*	*NE*	**18**	**6.9**	<0.867	**0.481**	**0.316**	**1.36**	<0.200
Trichlorofluoromethane	µg/m³	*103,333*	*NE*	**1.36**	**67.6**	**1.31**	**0.382**	**8.68**	**0.28**	**0.237**
Dichlorodifluoromethane	µg/m³	*NE*	*NE*	**2.51**	**2.48**	**2.43**	**0.494**	<0.200	**0.538**	**0.507**
Hexachloro-1,3-Butadiene	µg/m³	*NE*	*NE*	<6.73	<6.73	<6.73	<0.630	<0.630	<0.630	<0.630
N-Hexane	µg/m³	*103,333*	*NE*	**12.4**	**22,200**	<0.705	**4.24**	**27.1**	**5.66**	<0.200
Isopropylbenzene	µg/m³	*60,000*	*NE*	**29**	**1.97**	<0.983	<0.200	<0.200	<0.200	<0.200
Methylene Chloride	µg/m³	*86,666*	*NE*	<0.694	<0.694	<0.694	**0.689**	<0.200	<0.200	<0.200
Methyl Butyl Ketone	µg/m³	*NE*	*NE*	<5.11	<5.11	<5.11	<1.25	<1.25	<1.25	<1.25
2-Butanone (MEK)	µg/m³	*733,333*	*NE*	**18.4**	<3.69	<3.69	**5.93**	**2.53**	**4.19**	<1.25
4-Methyl-2-Pentanone (MIBK)	µg/m³	*433,333*	*NE*	<5.12	<5.12	<5.12	<1.25	<1.25	<1.25	<1.25
Methyl Methacrylate	µg/m³	*103,333*	*NE*	<0.819	<0.819	<0.819	<0.200	<0.200	<0.200	<0.200
Methyl Tert-Butyl Ether (MTBE)	µg/m³	*15,666*	*NE*	<0.721	<0.721	<0.721	<0.200	<0.200	<0.200	<0.200
Naphthalene	µg/m³	*120*	*120*	<3.30	**3.4**	<3.30	<0.630	<0.630	<0.630	<0.630
Styrene	µg/m³	*146,666*	*NE*	<0.851	<0.851	<0.851	<0.200	<0.200	<0.200	<0.200
1,1,2,2-Tetrachloroethane	µg/m³	*70*	*NE*	<1.37	<1.37	<1.37	<0.200	<0.200	<0.200	<0.200
Tetrachloroethene	µg/m³	*5,800*	*5,800*	**407**	**160**	<1.36	**7.95**	**6.58**	**280**	<0.200
Toluene	µg/m³	*733,333*	*NE*	**25.1**	**34.5**	**1.03**	**3.27**	**1.58**	**5.53**	**0.312**
1,2,4-Trichlorobenzene	µg/m³	*293*	*NE*	<4.66	<4.66	<4.66	<0.630	<0.630	<0.630	<0.630
1,1,1-Trichloroethane	µg/m³	*733,333*	*NE*	**1.4**	<1.09	<1.09	**1.87**	<0.200	<0.200	<0.200
1,1,2-Trichloroethane	µg/m³	*256*	*NE*	<1.09	<1.09	<1.09	<0.200	<0.200	<0.200	<0.200
Trichloroethene	µg/m³	*290*	*290*	**35.3**	**4,270**	**2.42**	**325**	**156**	**7.33**	<0.200
Vinyl Acetate	µg/m³	*29,333*	*NE*	<0.704	<0.704	<0.704	<0.200	<0.200	<0.200	<0.200
Vinyl Chloride	µg/m³	*930*	*930*	<0.511	<0.511	<0.511	<0.200	<0.200	<0.200	<0.200
m&p-Xylene	µg/m³	*14,666*	*NE*	**70**	**21.9**	<1.73	**1.72**	**1.23**	**3.87**	<0.400
O-Xylene	µg/m³	*14,666*	*NE*	**108**	**8.94**	<0.867	**0.618**	**0.415**	**1.44**	<0.200
1,2,4-Trimethylbenzene	µg/m³	*1,033*	*NE*	**389**	**16.5**	<0.982	**2.08**	**1.89**	**4.55**	<0.200
1,3,5-Trimethylbenzene	µg/m³	*NE*	*NE*	**233**	**7.65**	<0.982	<0.200	<0.200	**0.422**	<0.200

Notes

1. µg/m3 = micrograms per meter cubed.
2. Ohio VAP Generic Indoor Air Standards due to Vapor Intrusion (Commercia/Industrial Land Use) with an attentuation factor of 0.03

NE: No regulatory limits established

Bold numbers indicate a concentration above laboratory RDLs.

Bold and shaded numbers indicate a concentration above a comparison standard.

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