ANALYSIS OF BROWNFIELDS CLEANUP ALTERNATIVES (ABCA)

JM3 and JM5 Parcels
6001 River Road
Marrero, LA 70072

LDEQ Agency Interest No. 2547
EPA-JEDCO Brownfield Redevelopment Program
CA No. BF-01F95601

Prepared by:
Leaaf Environmental LLC

Prepared for:
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March 2024
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6001 River Road
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Prepared for:
Jefferson Parish Economic Development and Port District
Avondale, Louisiana

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The Analysis of Brownfields Cleanup Alternatives (ABCA) reported herein was funded wholly or in part through a grant administered to the Jefferson Parish Economic development and Port District (JEDCO) through a cooperative agreement between the Environmental Protection Agency (EPA) and JEDCO (BF-01F95601). The contents of this document do not necessarily reflect the views and policies of the EPA or JEDCO, nor does the EPA or JEDCO endorse trade names or recommend the use of commercial products mentioned in this document.

1.0 INTRODUCTION

Leaaf Environmental, LLC (Leaaf) has prepared this Analysis of Brownfields Cleanup Alternatives (ABCA) for a portion of the former Johns Manville Facility (JM3 and JM5 Parcels) located at 6001 River Road, Marrero, Jefferson Parish, Louisiana 70072 (property/site). The ABCA was requested by the Jefferson Parish Economic Development and Port District (JEDCO) and is funded through the cooperative agreement between the Environmental Protection Agency's (EPA's) Brownfield and Land Revitalization Program and the JEDCO Brownfield Redevelopment Program. JEDCO requested this document to address cleanup options to support redevelopment of the site.

The property historically operated as a Johns Manville manufacturing facility and is developed with three structures including a factory, office building, and cafeteria. The site is currently vacant. Phase II Environmental Site Assessments (ESAs) were completed in 2023 for the site that was used in the development of this ABCA. The Phase II ESAs identified asbestos containing materials (ACM) and asbestos in soil throughout the facility. Additionally, chrysene was detected in groundwater in excess of the Risk Evaluation/Corrective Action Program (RECAP) standard developed for the site.

The objective of this ABCA is to identify and evaluate cleanup options to address ACM in building materials, asbestos and soil, and chrysene in groundwater to facilitate redevelopment of the property.

2.0 BACKGROUND

2.1 Site Description and Features

The JM3 and JM5 Parcels consist of approximately 12 acres located at 6001 River Road in Marrero, Louisiana. The site is bound by River Road and the former Johns Manville asbestos roofing manufacturing facility to the north; residential properties to the east; residential and industrial facilities to the south; and warehouses to the west.

The property is improved with three structures that include an approximate 15,000 square foot (ft^2) office building, an approximate 2,100 ft^2 cafeteria, and an approximate 135,000 ft^2 factory building. An approximate 4,300 ft^2 covered storage area is also located at the site. The remaining site area is improved with paved parking and features from its former use as a Johns Manville manufacturing facility. A Site Location Map and Site Vicinity Map are included in **Appendix A**.

2.2 Previous Land Use

The site was developed in the early 1950s as an expansion to a portion of the original Johns Manville Facility which manufactured products containing asbestos for use in roofing, flooring, and piping. The JM3 and JM5 Parcels formerly operated as the Johns Manville transite pipe factory.

2.3 Current Land use

The JM3 and JM5 Parcels are currently unoccupied. The buildings are in poor condition and trash, debris, and residential waste can be observed throughout the site. The former pipe manufacturing facility produced asbestos containing products and suspect ACM can be observed in debris piles within the Factory Building. There is a free-standing canopy Storage Structure adjacent to the

Factory Building. Additional piles of construction and building debris with suspect ACM can be observed outside of the Cafeteria Building and the Office Building, where interior portions of walls and the roof have collapsed.

2.4 Future Land Use

Future use is unknown but includes potential for redevelopment for industrial or commercial businesses.

2.5 Summary of Previous Assessments

A Phase I ESA completed by Terracon in January 2023 identified suspect ACM following a visual inspection during site reconnaissance. Suspect ACM observed during the Phase I ESA included pre-cast cement board siding, wall panels, asphalt roofing materials, exterior siding sheathing, vinyl flooring and associated mastic, wallboard, joint compound, and various debris piles throughout the site. Based on the age of the buildings and previous use of the property, additional asbestos inspections were recommended of the existing buildings and debris throughout the site to determine the presence, quantity, and condition of ACM at the site prior to reuse/redevelopment of the property.

A Phase II ESA was completed by Leaaf in August 2023 to identify and quantify potential ACM for onsite buildings and debris piles located throughout the property. The ACM identified in the Factory Building included friable Thermal System Insulation (TSI), friable window glazing, friable black tar, friable floor tile and associated mastic, friable transite debris, non-friable corrugated transite, and non-friable transite pipe. The ACM identified in the Storage Structure included friable TSI and non-friable corrugated transite. The ACM identified in the Office Building included friable floor tile, mastic, sheetrock texture, and transite siding. The ACM identified in the Cafeteria included non-friable corrugated transite. In addition, ACM identified on the exterior of the site include friable building and construction debris.

A Phase II ESA completed by Terracon in December 2023 identified asbestos fibers in the near surface soil (0-4 feet below ground surface [bgs]) across much of the site, and chrysene present in the groundwater at concentrations above the Management Option (MO)-1 Limiting RECAP Standard (LRS).

2.5.1 Asbestos-Containing Materials

An asbestos inspection was completed by Leaaf in August 2023 during the Phase II ESA at the property. Results of the asbestos inspection indicated that friable and non-friable ACM are present in building materials and uncontrolled friable ACM is present within debris piles sampled at the property. As documented in the inspection, the following materials at the site were confirmed to contain asbestos:

Table 1. ACM Summary

Building		% Asbestos	Location	Condition	Estimated Quantity
Factory Building	Thermal System Insulation (TSI) Pipe (gray, waffle)	2% Amosite, 8% -10% Chrysotile	Interior North and West Sides	Friable	3,500 linear feet (LF); (1,166 linear yards [LY] total)
	TSI Pipe / Elbows (white, chalky)	2% - 7% Amosite, < 1% - 10% Chrysotile	Interior North and South Sides	Friable	
	White Window Glazing	2% Chrysotile	Windows Throughout	Friable	3,000 LF (1,000 LY total)
	Black Tar adhered to non-ACM Gray Cement Panels	8% Chrysotile (black tar only)	Interior South Side Rooms (stored product)	Friable	2,575 ft^2 (286 square yards [SY] total)
	Flooring (9” x 9” gray floor tile) w/ non-ACM Mastic (yellow)	2% Chrysotile (floor tile only)	Interior Floors at South Side and Mezzanine Levels	Friable	4,400 ft^2 (488 SY total)
	Flooring and Mastic (12” x 12” pink, green, and blue floor tile)	2% Chrysotile	Interior Floor North Side	Friable	
	Transite Debris (gray)	15% Chrysotile	Interior Floor Throughout	Friable	142,000 ft^2 (15,777 SY)
	Corrugated Transite (gray)	Assumed	Exterior Roof and Siding Throughout	Non-friable	75,000 ft^2 (7,833 SY)
	Transite Pipe (gray)	Assumed	Exterior North and South Sides	Non-friable	900 LF (300 LY)
Storage Structure	TSI Pipe (white, chalky)	10% Chrysotile	Interior Northeast Corner	Friable	18 LF (6 LY)
	Corrugated Transite (gray)	Assumed	Exterior Roof and Siding Throughout	Non-friable	6,100 SF (678 SY)
Office Building	Flooring and Mastic (9” x 9” tan floor tile and black mastic)	2% Chrysotile (floor tile), 3% - 4% Chrysotile (mastic)	Interior Floors Throughout	Friable	15,497 SF (1,721 SY)

Building		% Asbestos	Location	Condition	Estimated Quantity
	Flooring and Mastic (12" x 12" beige floor tile and black mastic	< 1% Chrysotile (floor tile), 2% Chrysotile (mastic)	Interior Floors Throughout	Friable	
	White Sheetrock Texture	2% Chrysotile	Interior Walls/Ceilings Throughout	Friable	26,865 SF (2,985 SY)
	Transite Siding	Assumed	Exterior Walls Throughout	Friable	11,368 SF (1,263 SY)
Cafeteria	Corrugated Transite (gray)	Assumed	Exterior Roof and Siding (3 walls)	Nonfriable	3,800 SF (422 SY)
Site Exterior	Building and Construction Debris (gray and brown paper, gray insulation, gray transite)	5% - 20% Chrysotile	Exterior Site Throughout	Friable	33,198 SF (3,688 SY)
Total ACM	TSI Pipe / Elbows – approximately 3,518 LF (1,172 LY) Window Glazing – approximately 3,000 LF (1,000 LY) Tar on Cement Panels – approximately 2,575 SF (286 SY) Flooring and Mastic – approximately 19,897 SF (2,209 SY) Corrugated Transite / Transite Siding – approximately 96,268 SF (10,196 SY) Transite Pipe – approximately 900 LF (300 LY) Sheetrock Texture – approximately 26,865 SF (2,985 SY) Building and Construction Debris – approximately 175,198 SF (19,465 SY) in the Factory Building and Site Exterior				

Sheetrock samples collected from the Office Building contained white joint compound with 2% chrysotile asbestos content. The joint compound was confirmed to be non-ACM following an additional composite analysis by the laboratory following allowable National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations for composite analysis of joint compound when applied to sheetrock as part of a "wall system", which identified the asbestos content in the sheetrock/joint compound to be less than one percent (<1%). The laboratory identified the asbestos content of the joint compound to be <1%. Under NESHAP regulations for non-state and non-school buildings, this is considered to be non-ACM per applicable EPA guidelines.

The remaining samples collected during this investigation were "none detected" for containing asbestos and were identified as non-ACM in the following: Factory Building (gray brick mortar, brown TSI pipe with black felt, and brown electrical wiring insulation), and Cafeteria Building (black floor debris). Additionally, collected samples of gray fiberboard panels and remaining product stored in the Factory Building within in a west side room were "none detected" for containing asbestos and were identified as non-ACM.

Leaaf's Phase II ESA Report detailing identified ACM is included in **Appendix B**.

2.5.2 Asbestos in Soil

A Phase II ESA was completed by Terracon on December 6, 2024. Twenty soil borings were advanced on the site in areas suspected to be impacted by recognized environmental conditions (REC's) and/or site concerns identified in the January 2023 Phase I ESA. Asbestos sampling results were compared to the EPA and LDEQ's definition of ACM, which is defined as materials containing concentrations greater than 1% of the material sampled. The asbestos results identified asbestos fibers in 15 of the 20 collected soil samples. Results of the assessment concluded that asbestos fibers were present in the near surface soil (0-4 ft bgs) across much of the site.

Terracon's Phase II ESA detailing asbestos in soil is included in **Appendix B**.

2.5.3 Chrysene in Groundwater

A Phase II ESA was completed by Terracon on December 6, 2024. Twenty temporary wells were installed on the site in areas suspected to be impacted by RECs and/or site concerns identified in the January 2023 Phase I ESA. The groundwater samples were compared to LDEQ's RECAP Table 1 Screening Standards. Constituents of Concern (COCs) exceeding the Limiting Screening Standards (LSS) were further evaluated under RECAP MO-1. RECAP MO-1 was used to evaluate groundwater at the site for the purpose of developing Limiting RECAP Standards (LRS) for groundwater to determine if corrective action is necessary for the protection of human health and the environment. Based on the findings of the site investigation and RECAP evaluation, chrysene was identified in groundwater at a concentration above the MO-1 LRS in TW-20. Temporary well TW-20 was located along the northern exterior wall of the factory structure.

Terracon's Phase II ESA detailing the groundwater investigation is included in **Appendix B**.

2.6 Exposure Pathways of Concern

The sources of potential health risks at the site include ACM in the structures, asbestos in soil identified throughout the site, and chrysene in groundwater in the vicinity of TW-20 (north of the factory structure).

The ACM and asbestos in soil pose a concern as asbestos minerals are easily separated into microscopic size particles that can become airborne and are easily inhaled. Diseases associated with exposure to asbestos include asbestosis, mesothelioma, and lung cancer. Exposure to asbestos is most likely to occur if ACM is significantly damaged or has the potential to become significantly damaged and become friable. Direct exposure pathways include inhalation and/or ingestion of airborne particles by people performing demolition or renovation within the building, or activities which disturb the soil. Indirect exposure pathways include transport of fibers on the clothing or hair of people within the building or involved with activities which disturb the soil and subsequent inhalation/ingestion by people with whom they come in contact.

Chrysene in groundwater is a concern because it is a suspected human carcinogen and has been shown to cause skin, liver, and lung cancer in animals. The following summarizes the potential exposure pathways for groundwater.

- Ingestion of drinking water: This exposure pathway is considered incomplete for residential and occupational workers due to municipality provided drinking water.

- Groundwater in Excavation: This exposure pathway is considered complete for occupational workers.

2.7 Objectives

The planned reuse of the property is unknown but includes the potential redevelopment for industrial or commercial businesses. The objective of this ABCA is to identify and evaluate cleanup alternatives to address the ACM, asbestos in soil, and chrysene in groundwater to facilitate redevelopment and reuse of the property.

3.0 IDENTIFICATION AND ANALYSIS OF REMEDIAL ACTION ALTERNATIVES

Cleanup alternatives were evaluated with specific consideration of applicable federal and state regulations regarding the presence and cleanup of asbestos and chrysene. Regulations that govern these activities include:

- EPA National Emissions Standards for Hazardous Air Pollutants (NESHAP) (40 CFR Part 61, Subpart M)
- Occupational Safety and Health Administration (OSHA) Asbestos in Construction Regulations (29 CFR 1910.134)
- LDEQ Emissions Standards for Asbestos (Louisiana Administrative Code [LAC] 33:III.5151)
- LDEQ Risk Evaluation/Corrective Action Program (RECAP) Guidance Document, 2003
- State of Louisiana Contractors Licensing Law and Rules and Regulations (La. R.S. 37:2150 – 2165)

3.1 Identification and Description of Remedial Action Alternatives

Three alternatives have been identified as viable remedial action alternatives for the ACM, asbestos in soil, and chrysene in groundwater identified at the JM3 and JM5 Parcels. These alternatives are:

- No Action Alternative
- Removal of all ACM, Excavation of Asbestos Contaminated Soil, and In Situ Chemical Oxidation (ISCO) Treatment to Reduce Chrysene in Groundwater
- Removal of High-Risk ACM, Cap for Asbestos in Soil, and Monitoring of Chrysene in Groundwater

Additional information regarding each of these alternatives is discussed below.

3.1.1 No Action Alternative

The No Action Alternative must be considered as part of the ABCA process. This alternative involves no remedial or monitoring activities; therefore, the buildings and site would be left in their current condition.

3.1.2 Removal of All ACM, Excavation of Asbestos Contaminated Soil, and ISCO Treatment to Reduce Chrysene in Groundwater

This alternative would involve the abatement and removal of all ACM from buildings, removal and disposal of debris piles containing ACM, physical removal of asbestos contaminated soil, and ISCO treatment to reduce chrysene concentrations in groundwater.

Removal of all ACM

This alternative involves the removal of all ACM identified in Leaaf's asbestos inspection from the structures on site and in building and construction debris piles throughout the property. ACM identified for the Office Building will be removed as part of the overall building demolition and disposed of as Regulated Asbestos Containing Materials (RACM) due to wall and roof instability of the building. In addition, all ACMs identified at the Factory Building, Storage Structure, Cafeteria, and site exterior will be removed during abatement activities. Prior to commencement of abatement activities, an Asbestos Abatement Plan will be prepared. If the intended reuse meets the definition of a school or state building, an asbestos Abatement Project Designer, certified in accordance with LAC 33.III.2799, will need to approve the Asbestos Abatement Plan. The plan will include the scope of work, methods to be utilized, and specifications regarding project monitoring and clearance sampling.

All removal, abatement and disposal activities will be conducted by licensed firms and certified individuals. All waste materials generated as a result of the abatement activities will be transported to an offsite facility permitted to accept the type of waste to be disposed.

Excavation of Asbestos Contaminated Soils

The upper five feet of impacted soil would be excavated from the majority of the site. The excavated soil would be transported offsite for disposal at a licensed facility as required under regulations set forth in LAC 33:III.5151 Excavated areas would be backfilled and compacted with clean gravel material. Prior to commencement of abatement activities, an Asbestos Abatement Plan will be prepared. If the intended reuse meets the definition of a school or state building, an asbestos Abatement Project Designer, certified in accordance with LAC 33.III.2799, will need to approve the Asbestos Abatement Plan. The plan will include the scope of work, methods to be utilized, specifications regarding project monitoring, and clearance sampling.

All removal, abatement, transportation, and disposal activities will be conducted by licensed firms and certified individuals. All waste materials generated as a result of the abatement activities will be transported to an offsite facility permitted to accept the type of waste to be disposed of.

ISCO Treatment for Chrysene in Groundwater

ISCO treatment aims to reduce chrysene concentrations in groundwater at the site. ISCO is in wide use as a method to chemically oxidize longer carbon chain petroleum hydrocarbons and phenolic compounds common to creosote, such as chrysene. Oxidizing agents are commercially available with a built-in catalyst that remains active through the entire lifespan of the oxidation reaction. Groundwater remediation of chrysene can be accomplished simultaneously with the injection of a reagent via numerous points spaced strategically within the contaminated area.

ISCO also results in mass reduction of chrysene in secondary sources of adsorbed soil, as well as for groundwater treatment. The rate and extent of degradation of target COCs are dictated by soil matrix, pH, temperature, the concentration of the oxidant, and the concentration of other oxidant-consuming substances such as natural organic matter and reducing minerals. Oxidation

methods utilize a delivery system designed to treat organic contaminants within the subsurface, producing non or less-toxic byproducts, such as carbon dioxide and water.

A Pilot Test is typically required to ensure optimal effectiveness of an ISCO system. Temporary monitoring wells will be necessary during the pilot phase. Additional 2-inch injection wells will be necessary for the full-scale design. These wells will be used to inject oxidant in the area around TW-20. Chemical oxidizers, such as PersulfOx manufactured by REGENESIS®, have been proven to:

- Promote rapid and sustained *in situ* oxidation of organic, creosote components.
- A built-in catalyst eliminates the need for the co-application of alternate and potentially hazardous activation chemicals.
- Fewer health and safety concerns than with use of traditional activation methods such as heat, chelated metals, hydrogen peroxide or base.
- Single component product results in simplified logistics and application.
- No additional containers or multi-step mixing ratios required prior to application.

Documentation of the ISCO process effectiveness is needed to ensure no added COCs are desorbed from soil particles, which can dissolve into and migrate with groundwater. To provide this documentation, three monitoring wells will be constructed, one upgradient and two downgradient, to measure the effectiveness of the treatment system. These wells will be sampled on a semi-annual basis, with results reported to regulatory agencies.

3.1.3 Removal of High-Risk ACM, Cap for Asbestos in Soil, and Monitoring of Chrysene in Groundwater

This alternative would involve the abatement and removal of high-risk ACM from buildings, removal and disposal of debris piles containing ACM, installation of a cap throughout the site for asbestos contaminated soil, and monitoring of chrysene in groundwater via installation of monitoring wells.

Removal of High-Risk ACM

This alternative includes removal of materials which will present a high-risk during renovation and demolition activities or for future redevelopment and reuse of the site. ACM that is in poor condition, friable, or that would be disturbed during renovation activities will be abated. ACM identified for the Office Building will be removed as part of the overall building demolition and disposed of as RACM due to wall, roof, and structural instability of the building. The TSI identified for the Factory Building and Storage Structure will be removed due to the poor condition and friability of the materials. The ACM flooring and mastic identified in the Factory Building will be removed due to the poor condition and friability of the materials. Any debris or stored materials such as transite debris, building and construction debris, and the non-ACM cement panels with ACM black tar will be removed as these materials may be disturbed by future redevelopment. Any remaining non-friable ACM can be managed in place, including windows with ACM glazing and intact structures with transite siding or roofing. Prior to commencement of abatement activities, an Asbestos Abatement Plan will be prepared. If the intended reuse meets the definition of a school or state building, an asbestos Abatement Project Designer, certified in accordance with LAC 33.III.2799, will need to approve the Asbestos Abatement Plan. The plan will include the scope of work, methods to be utilized, and specifications regarding project monitoring and clearance sampling. If any remaining structure with ACM meets the definition of a school or state

building, an Asbestos Management Plan, including personnel training and periodic inspections, will be required.

Cap for Asbestos in Soil
This alternative includes installation of a geotextile membrane covered with compatible limestone to one foot bgs throughout the site. This would lock the contaminated soil in place and limit human exposure during normal use of the site.

Monitoring of Chrysene in Groundwater
This alternative includes monitoring the concentration of chrysene in groundwater in the vicinity of TW-20 to determine if concentrations are decreasing over time. One PVC monitoring well would be installed upgradient of TW-20 and two PVC monitoring wells would be installed downgradient of TW-20. These wells will be sampled and analyzed on a semi-annual basis, with results reported to regulatory agencies until concentrations are below the LRS standard for chrysene in groundwater. Monitoring of the wells will be reassessed annually based on the results of the monitoring events.

3.2 Evaluation of Alternatives

Each of the remedial alternatives identified were assessed for effectiveness, implementability, and costs. The cost estimates presented below are preliminary estimates based on visual observations and sampling of building materials, publicly available cost information from similar projects, and general discussions with abatement contractors. Conservative assumptions were used in development of the costs; however, actual costs may vary based on final remediation/renovation plans and site-specific characteristics. These preliminary ABCA cost estimates are intended for planning purposes and should be used for relative comparison only.

3.2.1 No Action Alternative

Under the no action alternative, the presence of ACM in the buildings would continue to pose potential long-term health risk to the public. The buildings would remain in their present condition, making them unusable for the proposed reuse due to the potential indoor health risks. There would be increased short-term risks posed to site workers, occupants, and/or persons trespassing as damaged ACM are present within the buildings and ACM debris piles are present throughout exterior portions of the site. This alternative is not considered effective, as the toxicity of the materials would not decrease over time. Rather, as the materials further deteriorate, exposure to these hazards will increase. There are no costs associated with the no action alternative. However, over a period of time, cleanup costs will become higher as the building materials further deteriorate. Therefore, no action is not considered a feasible alternative.

In addition, asbestos in soil and chrysene in groundwater would remain in their current conditions, which would be unusable for the proposed reuse due to the potential exterior health risks. This alternative is not considered effective, as the toxicity of asbestos in soil would not decrease over time and concentrations and migration of chrysene in groundwater would be unknown. Exposure to these hazards poses potential health risks to humans; therefore, no action is not considered a feasible alternative.

3.2.2 Removal of All ACM, Asbestos in Soil, and ISCO Treatment for Chrysene in Groundwater

This alternative would provide short- and long-term effectiveness as all ACM, asbestos in soil, and chrysene in groundwater would be permanently removed, resulting in a reduction of contaminant volume and toxicity at the site. This alternative is implementable but may not be necessary to mitigate risk. This alternative is the most expensive, may not be economically feasible, and will require semi-annual monitoring and reporting of chrysene in groundwater. Costs of ACM removal are based on the materials quantified during Leaaf's asbestos inspection. Additional materials may be present in areas that were not accessible during the survey inspections.
Costs associated with complete removal, including permitting and disposal (except as noted), are itemized below:

Removal of all ACM, Asbestos in Soil, and ISCO Treatment for Chrysene in Groundwater: Total $16,814,412.00

- Complete abatement and removal of all ACM (including RACM demolition of Office Building): $984,412.00
- Perform asbestos air monitoring/contractor observation during asbestos abatement work (up to 20 days on site): $30,000.00
- Clearance sampling $1,500 - $3,000 per containment (not included in estimated cost)
- Complete excavation and disposal of asbestos in soil: $15,562,000.00
- Stormwater Pollution Prevention Plan (SWPPP) preparation and implementation during excavation activities: $98,000.00
- ISCO treatment for chrysene in groundwater: $140,000.00

3.2.3 Removal of High-Risk ACM, Cap for Asbestos in Soil, and Monitoring of Chrysene in Groundwater

This alternative would provide short- and long-term effectiveness as the materials that would present the highest risk as a result of the controlled demolition of the Office Building, renovation activities, or future use of the buildings and property would be removed, resulting in a reduction of contaminant volume and toxicity at the site. Remaining materials would be managed in place in accordance with applicable regulations and best management practices. This alternative is implementable, less costly than complete removal, may require development of an Asbestos Operations and Maintenace Plan with biannual updates and personnel training, and will require annual monitoring and reporting of chrysene in groundwater.

Costs associated with removal of high-risk ACM, capping asbestos in soil, and monitoring of chrysene in groundwater, including permitting and disposal, are itemized below:

Removal of high-risk ACM, CAP for asbestos in soil, and monitoring of chrysene in groundwater: Total $1,837,512.00

- Complete abatement and removal of high-risk ACM (including RACM demolition of Office Building): $455,912.00
- Perform asbestos air monitoring/contractor observation during asbestos abatement work (up to 20 days on site): $30,000.00
- Clearance sampling $1,500 - $3,000 per containment (not included in estimated cost)

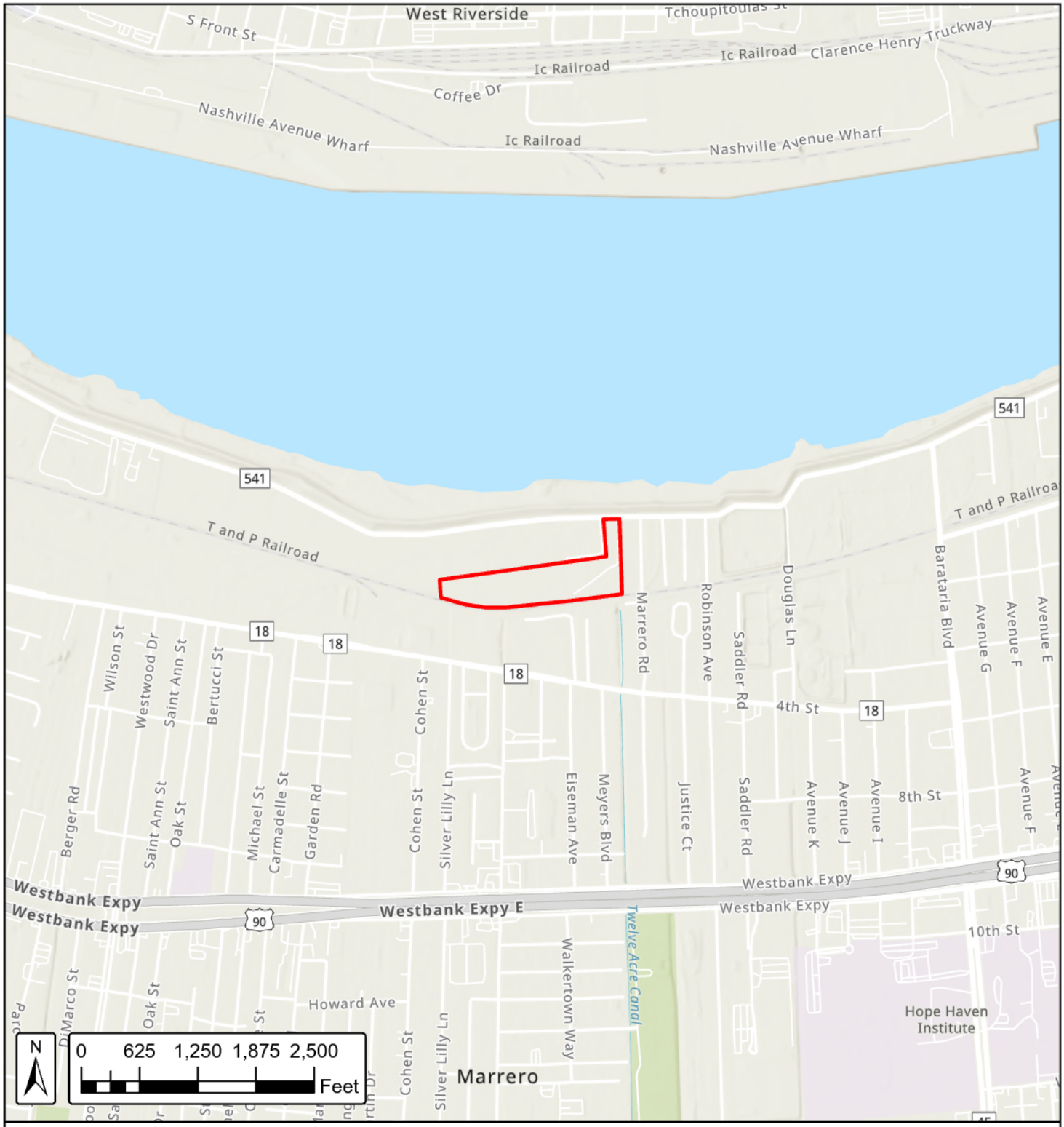
- Future Asbestos Operations and Maintenance Plan: $5,000.00 (not included in estimated cost)
- Cap for Asbestos in Soil: $1,258,600.00
- SWPPP preparation and implementation during Cap installation: $87,000.00
- Installation of three PVC Monitoring Wells: $6,000.00
- Monitoring and Reporting of Chrysene in Groundwater: $4,500.00 per year (not included in estimated cost)

4.0 RECOMMENDED REMEDIAL ACTION ALTERNATIVE

Based on the information discussed in the previous section, the three remedial action alternatives were evaluated for effectiveness, implementability, and cost. The No Action Alternative is the least favorable, as it is not effective in protecting human health or the environment and will not allow for the proposed redevelopment of the property. The removal of all ACM, excavation of asbestos contaminated soil, and ISCO treatment to reduce chrysene concentrations in groundwater is protective of human health and the environment as it removes all hazardous materials and allows for unrestricted reuse of the site. However, this remedial action alternative is the most expensive of the three. The removal of high-risk ACM, installing a cap for asbestos in soil, and monitoring of chrysene in groundwater is less costly than complete removal and is also protective of human health and the environment as it selectively removes materials which are likely to present a hazard as a result of renovation and demolition activities and/or proposed reuse of the site. Remaining ACM, asbestos in soil, and chrysene in groundwater would be managed in place. However, this option would require ongoing management and personnel training, which would likely outweigh any initial cost benefits. Therefore, the recommended remedial option is removal of high risk ACM, cap for asbestos in soil, and monitoring of chrysene in groundwater.

APPENDIX A

Figures



Legend

Site Location

Figure A-1

Site Location Map

Notes:

JM3 and JM5 Parcels
6001 River Rd. Marrero, LA
AI# 2547
03/25/2024

Leaaf environmental
www.leaaf.com

Source: ArcGIS Pro - WGS 1984 Web Mercator Auxiliary Sphere

Legend

Site Location

Figure A-2

Site Vicinity Map

Leaaf environmental
www.leaaf.com

Notes:

JM3 and JM5 Parcels
6001 River Rd. Marrero, LA
AI# 2547
03/25/2024

Source: ArcGIS Pro - WGS 1984
Web Mercator Auxiliary Sphere

APPENDIX B

Phase II ESA Reports

Phase II Environmental Site Assessment (ESA)

Parcels JM3 and JM5
6001 River Road
Marrero, Jefferson Parish Louisiana 70072

LDEQ Agency Interest No. 2547
Notice to Proceed #3
EPA-JEDCO Brownfield Redevelopment Program
CA No. BF-01F95601

Prepared for:
Jefferson Parish Economic Development Commission
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August 2023
JED-005

Phase II Environmental Site Assessment (ESA)

Parcels JM3 and JM5
6001 River Road
Marrero, Jefferson Parish Louisiana 70072

LDEQ Agency Interest No. 2547

Prepared for:
Jefferson Parish Economic Development Commission
700 Churchill Parkway
Avondale, LA 70094

Prepared by:

Madeline Dickson
Leaaf Site Manager

EXECUTIVE SUMMARY

Leaaf Environmental, LLC (Leaaf) has completed a Phase II Environmental Site Assessment (ESA) for the Parcels JM3 and JM5 site located at 6001 River Road, Marrero, Jefferson Parish, Louisiana 70072 (property/site). This Phase II ESA was funded by the U.S. Environmental Protection Agency's (EPA's) Targeted Brownfields Assessment (TBA) program. The Phase II ESA was conducted on the approximately 12-acre property with three onsite buildings. Initially developed in the 1950s, the buildings include an approximate 15,000 square foot (SF) Office Building, an approximate 2,100 SF Cafeteria Building, and an approximate 135,500 SF Factory Building. The site formerly operated as the Johns-Manville transite pipe factory, but currently all the buildings are vacant. An asbestos inspection was conducted for the three onsite buildings and various debris piles located throughout the Parcels JM3 and JM5 site. Based on the age of the onsite buildings and previous use of the property, an asbestos inspection was performed of the existing buildings and debris throughout the site to determine the presence, quantity, and condition of asbestos containing material (ACM) at the site prior to reuse/redevelopment of the property.

Results of the asbestos inspection indicate that ACM is present in building materials sampled on the property. The ACM identified during the inspection were in poor condition and should be abated by a licensed abatement contractor prior to demolition activities for the buildings.

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The Phase II Environmental Site Assessment (ESA) reported herein was funded wholly or in part through a cooperative agreement between the Environmental Protection Agency's (EPA's) Brownfield and Land Revitalization Program and the Jefferson Parish Economic Development Commission (JEDCO) Brownfield Redevelopment Program EPA Cooperative Agreement No. BF-01F95601. The contents of this document do not necessarily reflect the views and policies of the EPA or JEDCO, nor does the EPA or JEDCO endorse trade names or recommend the use of commercial products mentioned in this document.

1.0 INTRODUCTION

1.1 Purpose

Leaaf Environmental, LLC (Leaaf) was contracted by the Jefferson Parish Economic Development Company (JEDCO) to perform a Phase II Environmental Site Assessment (ESA) at the Parcels JM3 and JM5 site located at 6001 River Road, Marrero, Jefferson Parish, Louisiana (property/site; Figure A-1, Appendix A). JEDCO has requested inspections for asbestos-containing materials (ACM) of three onsite buildings based on the age of the buildings and previous use of the property. A Phase I ESA conducted in 2023 recommended inspections for ACM to update conditions and quantities of these contaminants of potential concern (COPCs) prior to reuse and redevelopment of the site. The Phase II ESA included asbestos inspections for the collection and analysis of potential ACM bulk samples of the three onsite buildings and various debris piles located throughout the Parcels JM3 and JM5 site.

Funding for this Phase II ESA was provided by the U.S. Environmental Protection Agency's (EPA's) Targeted Brownfields Assessment (TBA) program. This program empowers states, communities, and other stakeholders to work together to assess, clean up, and sustainably reuse Brownfields. A Brownfield is a property, expansion, redevelopment, or reuse of a property which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. The TBA program provides communities with environmental services such as environmental site assessments or investigations, and cleanup planning needed for revitalization projects at no cost to the stakeholders.

1.2 Special Terms and Conditions

TBAs are available to public, quasi-public or non-profit entities such as municipalities, tribal governments, and community development organizations interested in redeveloping abandoned or underutilized properties. To qualify for an assessment, there must be a potential release of hazardous substances at the site, and the entity must have redevelopment plans for the site once the assessment is complete. Redevelopment can involve the creation of commercial, industrial, recreational or conservation uses.

1.3 Limiting Conditions and Methodology Used

Leaaf has conducted this Phase II ESA in accordance with applicable portions of ASTM E1903-19 *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process* and applicable EPA and Louisiana regulations and Louisiana Department of Environmental Quality (LDEQ) guidance pertaining to asbestos.

2.0 BACKGROUND

2.1 Site Description and Features

The site was developed in the early 1950's as an expansion to a portion of the original Johns-Manville Facility which manufactured products containing asbestos for use in roofing, flooring, and piping. The Parcels JM3 and JM5 site formerly operated as the Johns-Manville transite pipe factory. The site includes three existing buildings, a Factory Building, an Office Building, and a Cafeteria Building.

The currently vacant buildings are in poor condition and trash, debris, and residential waste can be observed throughout the site. The former pipe manufacturing facility produced asbestos-containing products and suspect ACM can be observed in debris piles within the Factory Building. There is a free-standing canopy Storage Structure adjacent to the Factory Building. Additional piles of construction and building debris with suspect ACM can be observed outside of the Cafeteria Building and the Office Building, where interior portions of walls and the roof have collapsed. A Site Location Map and a Site Vicinity Map are included in Appendix A, Figures A-1 and A-2.

2.2 Physical Setting

The site is situated approximately 300 feet south of the Mississippi River in Marrero, LA (Figures 1 and 2) on approximately 12-acres of industrially developed land. The site includes three existing buildings, an approximate 15,000 square foot (SF) Office Building, an approximate 2,100 SF Cafeteria Building, and an approximately 135,500 SF Factory Building. Three drainage ditches are located on the property. The remaining site is surrounded by pavement, unmaintained, and overgrown landscaping. Adjoining properties include a residential neighborhood to the east, commercial development to the west, railroad tracks and commercial development to the south, and a facility north of the site.

2.3 Summary of Previous Assessments

A Phase I ESA completed by Terracon in January 2023 identified suspect ACM following a visual inspection during site reconnaissance at the site. Suspect ACM observed during the Phase I ESA included pre-cast cement board siding, wall panels, asphalt roofing materials, exterior siding sheathing, vinyl flooring and associated mastic, wallboard, joint compound, and various debris piles throughout the site. Based on the age of the buildings and previous use of the property, additional asbestos inspections were recommended of the existing buildings and debris throughout the site to determine the presence, quantity, and condition of ACM at the site prior to reuse/redevelopment of the property.

3.0 PHASE II ACTIVITIES

A Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) was prepared for this site and approved by JEDCO and the EPA in June 2023. This Phase II ESA was executed in accordance with the approved SAP/QAPP, and federal and state of Louisiana regulations pertaining to asbestos. All fieldwork was conducted in accordance with a site-specific Health and Safety Plan (HASP).

3.1 Asbestos Inspection and Sampling

Asbestos samples were collected by LDEQ certified asbestos inspectors Suzanne Sicotte (Certification # JI204226) and Gary Brooks (Certification # AI102434) of Leaaf on July 12, 2023 in accordance with Louisiana Administrative Code (LAC) 33:III Chapters 27 and 51. The number of samples collected depended on the sizes of the various homogeneous areas present at the site. A total of sixty (60) samples were collected and submitted to Eurofins EMLab P&K for analysis of bulk asbestos using the polarized light microscopy (PLM) method (EPA Method 600/R-93-116).

Samples for ACM focused on the identification of surfacing materials and miscellaneous materials. Once these materials were located, homogenous sampling areas (uniform by color, texture, construction/application date and general appearance) were delineated, and the suspect materials were sampled and analyzed in accordance with LAC 33:III Chapters 27 and 51 and the Asbestos Hazard Emergency Response Act (AHERA). A minimum of three samples were collected from homogeneous areas of surfacing materials less than 1,000 square-feet in size. A minimum of five samples were collected from homogeneous areas of surfacing materials greater than 1,000 square-feet but less than 5,000 square-feet. A minimum of seven samples were collected from homogeneous areas of surfacing materials greater than 5,000 square-feet in size. A minimum of three random samples were collected from thermal system insulation (TSI) locations, with the following exceptions; only one sample will be collected from patched TSI if is less than six linear or square feet, and only one sample will be collected from mudded joints and fittings. Only one representative sample will be collected from most miscellaneous materials, unless the amount and/or condition of the miscellaneous materials present warrant collecting more than one sample.

Bulk asbestos samples were collected wearing latex/nitrile gloves by removing small pieces of suspected ACM from the subject site using small tools such as a razor knife or chisel under wet conditions. ACM samples were placed into new, single use plastic bags labeled with a unique identifying number. This number was recorded, along with identifying remarks, on field bulk sample summary forms and on the chain–of-custody sent to the laboratory for analysis. Analytical sampling was performed in accordance with LAC 33:III Chapters 27, and 51, and laboratory-specific requirements. All samples were submitted to Eurofins EMLab P&K for analysis of bulk asbestos using PLM method (EPA method 600/R-93-116). Eurofins EMLab P&K is certified under the National Voluntary Laboratory Accreditation Program (NVLAP), the Louisiana Environmental Laboratory Accreditation Program (LELAP), and the American Industrial Hygiene Association (AIHA). A copy of the EMLab P&K laboratory report and chain of custody can be found in Appendix B. Decontamination of non-disposable sample equipment and tools was performed prior to sampling, following collection of each sample, and after final sample collection to prevent the introduction of off-site contaminants into sampling points, to prevent cross contamination of sampling points, and to prevent the removal of contaminants from the site.

Field notes documenting project specific information pertaining to the collection of bulk samples, including sample number, sample location, and material description for each bulk sample, were recorded on field data forms during the asbestos inspection. Field notes and a sample location map are included in Appendix B.

Some buildings and areas within buildings on Parcels JM3 and JM5 site were inaccessible for safety reasons and unable to be included in the survey (i.e. the Office Building and the Factory Building mezzanine levels).

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 Asbestos

The LDEQ defines ACM as having an asbestos content of greater than one percent (> 1%). Based on the PLM analytical results, asbestos was found to be present in building materials sampled at the site. A summary of ACM identified at the property is presented below.

Summary of Asbestos-Containing Materials (ACM)					
Building	**Material**	**% Asbestos**	**Friable / Nonfriable**	**Location**	**Estimated Quantity**
Factory Building	Thermal System Insulation Pipe (gray, waffle)	2% Amosite, 8% -10% Chrysotile	Friable	Interior North and West Sides	3,500 LF (1,166 LY) total
	Thermal System Insulation Pipe / Elbows (white, chalky)	2% - 7% Amosite, < 1% - 10% Chrysotile	Friable	Interior North and South Sides	
	White Window Glazing	2% Chrysotile	Friable	Windows Throughout	3,000 LF (1,000 LY) total
	Black Tar adhered to non-ACM Gray Cement Panels	8% Chrysotile (black tar only)	Friable	Interior South Side Rooms (stored product)	2,575 SF (286 SY) total
	Flooring (9” x 9” gray floor tile) w/ non-ACM Mastic (yellow)	2% Chrysotile (floor tile only)	Friable	Interior Floors at South Side and Mezzanine Levels	4,400 SF (488 SY) total
	Flooring and Mastic (12” x 12” pink, green, and blue floor tile)	2% Chrysotile	Friable	Interior Floor North Side	
	Transite Debris (gray)	15% Chrysotile	Friable	Interior Floor Throughout	142,000 SF (15,777 SY)
	Corrugated Transite (gray)	Assumed	Nonfriable	Exterior Roof and Siding Throughout	75,000 SF (7,833 SY)
	Transite Pipe (gray)	Assumed	Nonfriable	Exterior North and South Sides	900 LF (300 LY)
Storage Structure adjacent to Factory Building	Thermal System Insulation Pipe (white, chalky)	10% Chrysotile	Friable	Interior Northeast Corner	18 LF (6 LY)
	Corrugated Transite (gray)	Assumed	Nonfriable	Exterior Roof and Siding Throughout	6,100 SF (678 SY)

Summary of Asbestos-Containing Materials (ACM)					
Building	**Material**	**% Asbestos**	**Friable / Nonfriable**	**Location**	**Estimated Quantity**
Office Building	Flooring and Mastic (9” x 9” tan floor tile and black mastic)	2% Chrysotile (floor tile), 3% - 4% Chrysotile (mastic)	Friable	Interior Floors Throughout	15,497 SF (1,721 SY)
	Flooring and Mastic (12” x 12” beige floor tile and black mastic	< 1% Chrysotile (floor tile), 2% Chrysotile (mastic)	Friable	Interior Floors Throughout	
	White Sheetrock Texture	2% Chrysotile	Friable	Interior Walls/Ceilings Throughout	26,865 SF (2,985 SY)
	Transite Siding	Assumed	Friable	Exterior Walls Throughout	11,368 SF (1,263 SY)
Cafeteria Building	Corrugated Transite (gray)	Assumed	Nonfriable	Exterior Roof and Siding (3 walls)	3,800 SF (422 SY)
Site Exterior	Building and Construction Debris (gray and brown paper, gray insulation, gray transite)	5% - 20% Chrysotile	Friable	Exterior Site Throughout	33,198 SF (3,688 SY)
Total ACM for Site	Thermal System Insulation Pipe / Elbows – approximately 3,518 LF (1,172 LY) Window Glazing – approximately 3,000 LF (1,000 LY) Tar on Cement Panels – approximately 2,575 SF (286 SY) Flooring and Mastic – approximately 19,897 SF (2,209 SY) Corrugated Transite / Transite Siding – approximately 96,268 SF (10,196 SY) Transite Pipe – approximately 900 LF (300 LY) Sheetrock Texture – approximately 26,865 SF (2,985 SY) Building and Construction Debris – approximately 175,198 SF (19,465 SY) in the Factory Building and Site Exterior				

Sheetrock samples collected from the Office Building contained white joint compound with 2% chrysotile asbestos content. The joint compound was confirmed to be non-ACM following an additional composite analysis by the laboratory following allowable National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations for composite analysis of joint compound when applied to sheetrock as part of a “wall system”, which identified the asbestos content in the sheetrock/joint compound to be less than one percent (<1%). The laboratory identified the asbestos content of the joint compound to be <1% and under NESHAP regulations for non-state and non-school buildings, is considered to be non-ACM per applicable EPA guidelines.

The remaining samples collected during this investigation were “none detected” for containing asbestos and were identified as non-ACM in the following: Factory Building (gray brick mortar, brown TSI pipe with black felt, and brown electrical wiring insulation), and Cafeteria Building

(black floor debris). Additionally, collected samples of gray fiberboard panels, remaining product stored in the Factory Building within in a west side room, were “none detected” for containing asbestos and were identified as non-ACM. Asbestos analytical results, maps detailing confirmed ACM locations, and photographs of confirmed ACM are available in Appendix B.

5.0 DISCUSSION OF FINDINGS

5.1 Asbestos

ACM is present in all onsite buildings and in building and construction debris throughout the property. There are three options with respect to ACM located on the property: (1) management in place, (2) removal, or (3) a combination of management in place and removal. Based on the condition of the ACM identified, removal of all ACM is recommended. It is recommended that an abatement design be developed prior to any renovations and/or demolitions of the building(s) and reoccupation of the site. A licensed asbestos abatement contractor should be used to properly remove the asbestos before renovations and/or demolitions of the building(s) and reoccupation of the site. Regulations require that LDEQ be notified prior to any ACM removal activities.

The poor condition of the ACM will likely render management in place infeasible. Abatement (removal and disposal) costs vary considerably, depending on the management options employed for the ACM component and the planned use of the buildings (i.e., renovation or demolition). Some buildings and areas within buildings on Parcels JM3 and JM5 site were in a condition that would make it dangerous for an abatement contractor to safely abate asbestos identified (i.e. the Office Building and the Factory Building mezzanine levels); therefore, based on the planned demolitions of the buildings and the impact demolition activities will have on the indicated ACM, some buildings for this site may need to be demolished as though they contain regulated asbestos-containing materials (RACM). A certified asbestos abatement contractor utilizing proper abatement techniques should remove and dispose of the ACM as needed. The demolition contractor and/or their abatement subcontractor will need to file the appropriate forms with the LDEQ in accordance with LAC, Title 33, Part III, Ch. 51 regulations. It is recommended that persons working in areas where ACM remain be advised of its presence and take precautions to limit exposure during any activities that might render the ACM friable.

6.0 CONCLUSIONS AND RECOMMENDATIONS

Leaaf has performed a Phase II ESA at the Parcels JM3 and JM5 site located at 505 North Main Street Washington, Louisiana 70589 in conformance with the scope and limitations of ASTM Practice E 1903-19 *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*, and Louisiana regulations pertaining to asbestos in order to identify and quantify potential ACM for onsite buildings and debris piles located throughout the property. These objectives have been met.

ACM identified on the property were found in poor condition. It is recommended that all ACM be abated by a licensed abatement contractor prior to future reuse/redevelopment of the property. Regulations require that LDEQ be notified prior to any ACM removal activities.

APPENDIX A

SITE LOCATION MAPS

Figure A-1 Site Location Map
Figure A-2 Site Vicinity Map

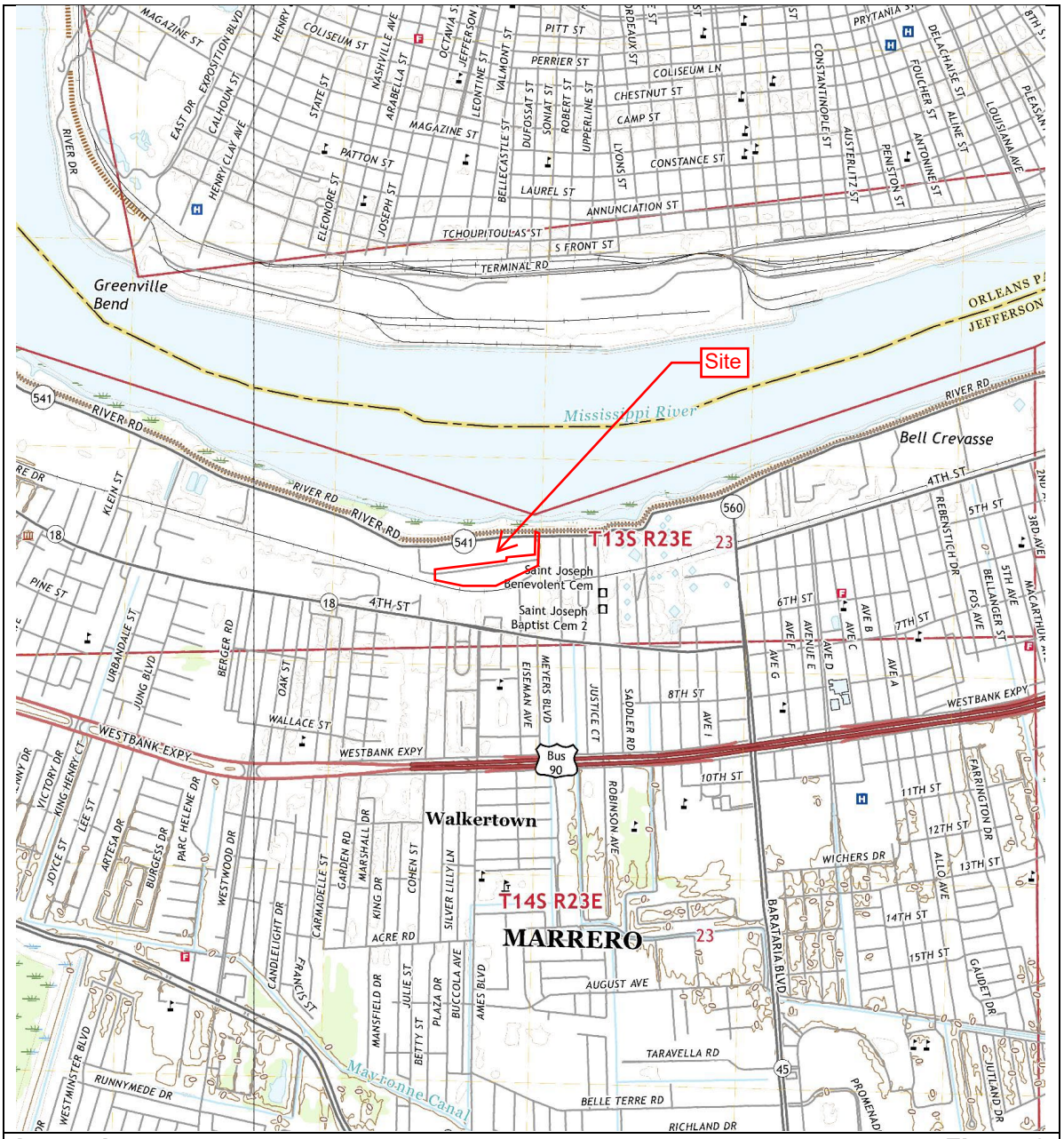
Legend

Site Location

Figure 1
Site Location Map

Parcels JM3 and JM5
6001 River Road
Marrero, Jefferson Parish, Louisiana 70072

Source: USGS 2020 Topographic Map



Legend

Site Location

Figure 2
Site Vicinity Map

Parcels JM3 and JM5
6001 River Road
Marrero, Jefferson Parish, Louisiana 70072

Source: USGS 2020 Topographic Map

APPENDIX B

ASBESTOS DATA

Asbestos Bulk Sample Summary Sheet
Asbestos Sample Location Map
Asbestos Inspector Certifications
Laboratory Report
ACM Location Maps
ACM Photographs

ASBESTOS BULK SAMPLE SUMMARY SHEET

Leaaf #: JED-005

Project Name: JM3 – JM5 Site

Project Location: 6001 River Rd, Marrero, LA

Sample Number	Material Description	Sample Location
JED-005-PLM-001	9” x 9” Floor Tile (tan)	Office Bldg. Interior
JED-005-PLM-002	9” x 9” Floor Tile (tan)	Office Bldg. Interior
JED-005-PLM-003	12” x 12” Floor Tile (beige)	Office Bldg. Interior
JED-005-PLM-004	12” x 12” Floor Tile (beige)	Office Bldg. Interior
JED-005-PLM-005	Sheetrock	Office Bldg. Interior
JED-005-PLM-006	Sheetrock	Office Bldg. Interior
JED-005-PLM-007	Sheetrock	Office Bldg. Interior
JED-005-PLM-008	Sheetrock	Office Bldg. Interior
JED-005-PLM-009	Sheetrock	Office Bldg. Interior
JED-005-PLM-010	Sheetrock	Office Bldg. Interior
JED-005-PLM-011	Sheetrock	Office Bldg. Interior
JED-005-PLM-012	Floor Debris	Structure 1 Interior
JED-005-PLM-013	Floor Debris	Structure 1 Interior
JED-005-PLM-014	Debris Pile #1	Exterior (southeast)
JED-005-PLM-015	Debris Pile #2	Exterior (southeast)
JED-005-PLM-016	Debris Pile #3	Exterior (southeast)
JED-005-PLM-017	Debris Pile #3	Exterior (southeast)
JED-005-PLM-018	Debris Pile #4	Exterior (south)
JED-005-PLM-019	TSI Pipe (white, chalky)	Structure 2 Interior
JED-005-PLM-020	TSI Pipe (white, chalky)	Structure 2 Interior
JED-005-PLM-021	TSI Pipe (white, chalky)	Structure 2 Interior
JED-005-PLM-022	Debris Pile #5	Exterior (south)
JED-005-PLM-023	Debris Pile #5	Exterior (south)
JED-005-PLM-024	Brick Mortar	Factory Interior
JED-005-PLM-025	Brick Mortar	Factory Interior
JED-005-PLM-026	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-027	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-028	TSI Pipe (waffle)	Factory Interior

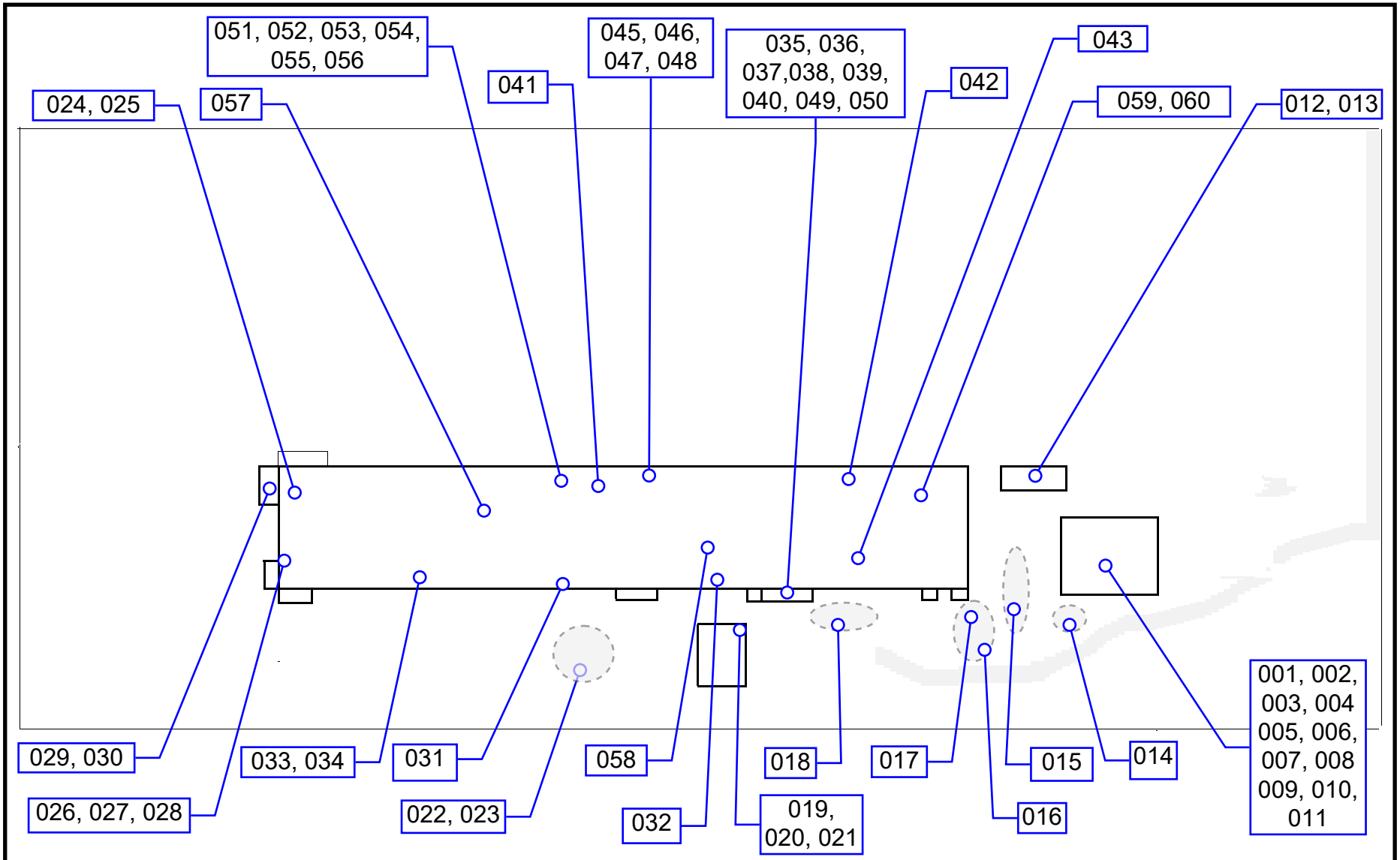
Leaaf environmental

ASBESTOS BULK SAMPLE SUMMARY SHEET

Leaaf #: JED-005

JED-005-PLM-029	Panels	Factory Interior
JED-005-PLM-030	Panels	Factory Interior
JED-005-PLM-031	TSI Elbow (10”, chalky)	Factory Interior
JED-005-PLM-032	TSI Elbow (6”, chalky)	Factory Interior
JED-005-PLM-033	Window Glazing (white)	Factory Interior
JED-005-PLM-034	Window Glazing (white)	Factory Interior
JED-005-PLM-035	Mastic/Tar (black)	Factory Side Room Interior
JED-005-PLM-036	Mastic/Tar (black)	Factory Side Room Interior
JED-005-PLM-037	Cement Panel	Factory Side Room Interior
JED-005-PLM-038	Cement Panel	Factory Side Room Interior
JED-005-PLM-039	9” x 9” Floor Tile (brown)	Factory Side Room Interior
JED-005-PLM-040	9” x 9” Floor Tile (brown)	Factory Side Room Interior
JED-005-PLM-041	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-042	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-043	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-044	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-045	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-046	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-047	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-048	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-049	9” x 9” Floor Tile (gray)	Factory Side Room Interior
JED-005-PLM-050	9” x 9” Floor Tile (gray)	Factory Side Room Interior
JED-005-PLM-051	12” x 12” Floor Tile (pink)	Factory Interior
JED-005-PLM-052	12” x 12” Floor Tile (pink)	Factory Interior
JED-005-PLM-053	12” x 12” Floor Tile (green)	Factory Interior
JED-005-PLM-054	12” x 12” Floor Tile (green)	Factory Interior
JED-005-PLM-055	12” x 12” Floor Tile (blue)	Factory Interior
JED-005-PLM-056	12” x 12” Floor Tile (blue)	Factory Interior
JED-005-PLM-057	Floor Debris	Factory Interior
JED-005-PLM-058	Floor Debris	Factory Interior
JED-005-PLM-059	Wire Insulation	Factory Interior 2nd Level
JED-005-PLM-060	Wire Insulation	Factory Interior 2nd Level

Environmental Professional: Suzanne Sicotte Date: 7/12/2023



Asbestos Sample Location Map

JM3 - JM5
6001 River Rd, Marrero, LA

Date:
7/12/2023

Leaaf Project No.:
JED-005

Leaaf Environmental, LLC
2301 Whitney Avenue
Gretna, LA 70056

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Suzanne N Sicotte

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of

Asbestos Inspector

Accreditation No. MI204226

AI No. 204226

Date of Issuance April 3, 2023

Expiration March 6, 2024

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a) may result in civil and/or criminal enforcement actions by the State.

Charles Finley

Permit Support Services Division
Office of Environmental Services

STATE OF LOUISIANA

DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Gary Brooks

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of

Asbestos Inspector

Accreditation No. AI102434

AI No. 102434

Date of Issuance April 3, 2023

Expiration April 1, 2024

Failure to comply with all applicable provisions of La. R.S. 2025.E. (1)(a) and La. R.S. 2025.F. (2)(a) may result in civil and/or criminal enforcement actions by the State.

Charles Finley

Permit Support Services Division
Office of Environmental Services

eurofins | Built Environment Testing

Report for:

Ms. Madeline Dickson, Suzanne Sicotte
Leaaf Environmental, LLC
2301 Whitney Ave
Gretna, LA 70056

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: JED-005; JM3-IM5 Site
EML ID: 3317914

Approved by:

Approved Signatory
Balu Krishnan

Dates of Analysis:
Asbestos PLM: 07-14-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200738-0

Eurofins EPK Built Environment Testing, LLC
6301 NW 5th way, Suite#: 1410, Ft. Lauderdale, FL 33309
(866) 871-1984 www.eurofinsus.com/Built

Client: Leaaf Environmental, LLC
C/O: Ms. Madeline Dickson, Suzanne Sicotte
Re: JED-005; JM3-IM5 Site

Date of Sampling: 07-12-2023
Date of Receipt: 07-13-2023
Date of Report: 07-14-2023

ASBESTOS PLM REPORT

Total Samples Submitted:	60
Total Samples Analyzed:	60
Total Samples with Layer Asbestos Content > 1%:	39

Location: JED-005-PLM-001, 9"X9" Floor Tile (tan) Lab ID-Version‡: 16115536-1

Sample Layers	Asbestos Content
Tan Floor Tile	2% Chrysotile
Black Mastic	4% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-002, 9"X9" Floor Tile (tan) Lab ID-Version‡: 16115537-1

Sample Layers	Asbestos Content
Tan Floor Tile	2% Chrysotile
Black Mastic	3% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-003, 12'x12' Floor Tile (beige) Lab ID-Version‡: 16115538-1

Sample Layers	Asbestos Content
Beige Floor Tile	< 1% Chrysotile
Black Mastic	2% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-004, 12'x12' Floor Tile (beige) Lab ID-Version‡: 16115539-1

Sample Layers	Asbestos Content
Beige Floor Tile	< 1% Chrysotile
Black Mastic	2% Chrysotile
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EPK Built Environment Testing, LLC
6301 NW 5th way, Suite#: 1410, Ft. Lauderdale, FL 33309
(866) 871-1984 www.eurofinsus.com/Built

Client: Leaaf Environmental, LLC
C/O: Ms. Madeline Dickson, Suzanne Sicotte
Re: JED-005; JM3-IM5 Site

Date of Sampling: 07-12-2023
Date of Receipt: 07-13-2023
Date of Report: 07-14-2023

ASBESTOS PLM REPORT

Location: JED-005-PLM-005, Sheetrock Lab ID-Version‡: 16115540-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper /Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-006, Sheetrock Lab ID-Version‡: 16115541-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	2% Chrysotile
White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

Location: JED-005-PLM-007, Sheetrock Lab ID-Version‡: 16115542-1

Sample Layers	Asbestos Content
White Joint Compound with Paint	2% Chrysotile
White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

Location: JED-005-PLM-008, Sheetrock Lab ID-Version‡: 16115543-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper /Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
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Client: Leaaf Environmental, LLC
C/O: Ms. Madeline Dickson, Suzanne Sicotte
Re: JED-005; JM3-IM5 Site

Date of Sampling: 07-12-2023
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Date of Report: 07-14-2023

ASBESTOS PLM REPORT

Location: JED-005-PLM-009, Sheetrock

Lab ID-Version‡: 16115544-1

Sample Layers	Asbestos Content
White Texture with Paint	2% Chrysotile
Cream Tape	ND
White Joint Compound	2% Chrysotile
White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	20% Cellulose
Sample Composite Homogeneity:	Good

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

Location: JED-005-PLM-010, Sheetrock

Lab ID-Version‡: 16115545-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper /Paint	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-011, Sheetrock

Lab ID-Version‡: 16115546-1

Sample Layers	Asbestos Content
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-012, Floor Debris

Lab ID-Version‡: 16115547-1

Sample Layers	Asbestos Content
Black Debris	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: JED-005-PLM-013, Floor Debris Lab ID-Version‡: 16115548-1

Sample Layers	Asbestos Content
Black Debris	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-014, Debris Pile #1 Lab ID-Version‡: 16115549-1

Sample Layers	Asbestos Content
Black Debris	ND
Gray Paper	5% Chrysotile
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-015, Debris Pile #2 Lab ID-Version‡: 16115550-1

Sample Layers	Asbestos Content
Black Debris	ND
Brown Paper	5% Chrysotile
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-016, Debris Pile #3 Lab ID-Version‡: 16115551-1

Sample Layers	Asbestos Content
Black Debris	ND
Black Tar	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
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ASBESTOS PLM REPORT

Location: JED-005-PLM-017, Debris Pile #3 Lab ID-Version‡: 16115552-1

Sample Layers	Asbestos Content
Black Debris	ND
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	5% Cellulose 2% Glass Fibers
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-018, Debris Pile #4 Lab ID-Version‡: 16115553-1

Sample Layers	Asbestos Content
Black Debris	ND
Gray Transite	20% Chrysotile
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-019, TSI Pipe (white, chalky) Lab ID-Version‡: 16115554-1

Sample Layers	Asbestos Content
White Insulation	10% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-020, TSI Pipe (white, chalky) Lab ID-Version‡: 16115555-1

Sample Layers	Asbestos Content
White Insulation	10% Chrysotile
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
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ASBESTOS PLM REPORT

Location: JED-005-PLM-021, TSI Pipe (white, chalky) Lab ID-Version‡: 16115556-1

Sample Layers	Asbestos Content
White Insulation	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-022, Debris Pile #5 Lab ID-Version‡: 16115557-1

Sample Layers	Asbestos Content
Black Debris	ND
Gray Paper	5% Chrysotile
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Poor

Location: JED-005-PLM-023, Debris Pile #5 Lab ID-Version‡: 16115558-1

Sample Layers	Asbestos Content
Black Debris	ND
Gray Paper	5% Chrysotile
Gray Insulation	5% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-024, Brick Mortar Lab ID-Version‡: 16115559-1

Sample Layers	Asbestos Content
Gray Mortar	ND
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
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ASBESTOS PLM REPORT

Location: JED-005-PLM-025, Brick Mortar Lab ID-Version‡: 16115560-1

Sample Layers	Asbestos Content
Gray Mortar	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-026, TSI Pipe (waffle) Lab ID-Version‡: 16115561-1

Sample Layers	Asbestos Content
Gray Insulation	8% Chrysotile 2% Amosite
Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-027, TSI Pipe (waffle) Lab ID-Version‡: 16115562-1

Sample Layers	Asbestos Content
Gray Insulation	8% Chrysotile 2% Amosite
Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-028, TSI Pipe (waffle) Lab ID-Version‡: 16115563-1

Sample Layers	Asbestos Content
Gray Insulation	8% Chrysotile 2% Amosite
Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: JED-005-PLM-029, Panels Lab ID-Version‡: 16115564-1

Sample Layers	Asbestos Content
Gray Fiberboard	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-030, Panels Lab ID-Version‡: 16115565-1

Sample Layers	Asbestos Content
Gray Fiberboard	ND
Composite Non-Asbestos Content:	40% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-031, TSI Elbow (10", chalky) Lab ID-Version‡: 16115566-1

Sample Layers	Asbestos Content
White Insulation	10% Chrysotile 2% Amosite
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-032, TSI Elbow (6",chalky) Lab ID-Version‡: 16115567-1

Sample Layers	Asbestos Content
White Insulation	8% Chrysotile 2% Amosite
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: JED-005-PLM-033, Window Glazing (white) Lab ID-Version‡: 16115568-1

Sample Layers	Asbestos Content
White Window Glazing	2% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-034, Window Glazing (white) Lab ID-Version‡: 16115569-1

Sample Layers	Asbestos Content
White Window Glazing	2% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-035, Mastic/Tar (black) Lab ID-Version‡: 16115570-1

Sample Layers	Asbestos Content
Black Tar	8% Chrysotile
Gray Cementitious Material	ND
Sample Composite Homogeneity:	Moderate

Location: JED-005-PLM-036, Mastic/Tar (black) Lab ID-Version‡: 16115571-1

Sample Layers	Asbestos Content
Black Tar	ND
Sample Composite Homogeneity:	Moderate

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
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ASBESTOS PLM REPORT

Location: JED-005-PLM-037, Cement Panel Lab ID-Version‡: 16115572-1

Sample Layers	Asbestos Content
Gray Cementitious Material with Paint	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-038, Cement Panel Lab ID-Version‡: 16115573-1

Sample Layers	Asbestos Content
Gray Cementitious Material with Paint	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-039, 9'x9' Floor Tile (brown) Lab ID-Version‡: 16115574-1

Sample Layers	Asbestos Content
Brown Floor Tile	2% Chrysotile
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-040, 9'x9' Floor Tile (brown) Lab ID-Version‡: 16115575-1

Sample Layers	Asbestos Content
Brown Floor Tile	2% Chrysotile
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: JED-005-PLM-041, TSI Pipe (white,chalky) Lab ID-Version‡: 16115576-1

Sample Layers	Asbestos Content
White Insulation	7% Amosite < 1% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-042, TSI Pipe (white,chalky) Lab ID-Version‡: 16115577-1

Sample Layers	Asbestos Content
White Insulation	7% Amosite 2% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-043, TSI Pipe (white,chalky) Lab ID-Version‡: 16115578-1

Sample Layers	Asbestos Content
White Insulation	10% Chrysotile
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-044, TSI Pipe (white,chalky) Lab ID-Version‡: 16115579-1

Sample Layers	Asbestos Content
White Insulation	7% Amosite 2% Chrysotile
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: JED-005-PLM-045, TSI Pipe (waffle) Lab ID-Version‡: 16115580-1

Sample Layers	Asbestos Content
Gray Insulation	10% Chrysotile
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-046, TSI Pipe (waffle) Lab ID-Version‡: 16115581-1

Sample Layers	Asbestos Content
Gray Insulation	10% Chrysotile
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-047, TSI Pipe (waffle) Lab ID-Version‡: 16115582-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Black Felt	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-048, TSI Pipe (waffle) Lab ID-Version‡: 16115583-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Black Felt	ND
Composite Non-Asbestos Content:	70% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: JED-005-PLM-049, 9'x9" Floor Tile (gray) Lab ID-Version‡: 16115584-1

Sample Layers	Asbestos Content
Gray Floor Tile	2% Chrysotile
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-050, 9'x9" Floor Tile (gray) Lab ID-Version‡: 16115585-1

Sample Layers	Asbestos Content
Gray Floor Tile	2% Chrysotile
Yellow Mastic	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-051, 12"x12" Floor Tile (pink) Lab ID-Version‡: 16115586-1

Sample Layers	Asbestos Content
Pink Floor Tile	2% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-052, 12"x12" Floor Tile (pink) Lab ID-Version‡: 16115587-1

Sample Layers	Asbestos Content
Pink Floor Tile	2% Chrysotile
Sample Composite Homogeneity:	Good

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
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ASBESTOS PLM REPORT

Location: JED-005-PLM-053, 12"x12" Floor Tile (green) Lab ID-Version‡: 16115588-1

Sample Layers	Asbestos Content
Green Floor Tile	2% Chrysotile
Beige Mastic	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-054, 12"x12" Floor Tile (green) Lab ID-Version‡: 16115589-1

Sample Layers	Asbestos Content
Green Floor Tile	2% Chrysotile
Beige Mastic	ND
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-055, 12"x12" Floor Tile (blue) Lab ID-Version‡: 16115590-1

Sample Layers	Asbestos Content
Blue Floor Tile	2% Chrysotile
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-056, 12"x12" Floor Tile (blue) Lab ID-Version‡: 16115591-1

Sample Layers	Asbestos Content
Blue Floor Tile	2% Chrysotile
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: JED-005-PLM-057, Floor Debris Lab ID-Version‡: 16115592-1

Sample Layers	Asbestos Content
Black Debris	ND
Gray Transite	15% Chrysotile
Black Tar	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-058, Floor Debris Lab ID-Version‡: 16115593-1

Sample Layers	Asbestos Content
Brown Debris	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Poor

Location: JED-005-PLM-059, Wire Insulation Lab ID-Version‡: 16115594-1

Sample Layers	Asbestos Content
Brown Wiring Insulation	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Good

Location: JED-005-PLM-060, Wire Insulation Lab ID-Version‡: 16115595-1

Sample Layers	Asbestos Content
Brown Wiring Insulation	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Good

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Leaaf

Asbestos Chain of Custo

003317914

Project Name	JM3 – JM5 Site		
Address	6001 River Rd, Marrero, LA	**Project #**	JED-005
Leaaf Contact	Madeline Dickson		
Sample By	Suzanne Sicotte	**Email**	mdickson@leaaf.com
		Sample Date	7/12/2023

Analysis	☒ PLM (EPA method 600/R-93-116) ☐ Point Count 400 (down to <0.25%)
Turnaround	☐ Same Day (3 Hr) ☒ Next Day (24 Hr) ☐ Standard (2 days) ☐ Holiday Weekend

Sample #	Description	Volume, Area or HA# (as Applicable)
JED-005-PLM-001	9" x 9" Floor Tile (tan)	Office Bldg. Interior
JED-005-PLM-002	9" x 9" Floor Tile (tan)	Office Bldg. Interior
JED-005-PLM-003	12" x 12" Floor Tile (beige)	Office Bldg. Interior
JED-005-PLM-004	12" x 12" Floor Tile (beige)	Office Bldg. Interior
JED-005-PLM-005	Sheetrock	Office Bldg. Interior
JED-005-PLM-006	Sheetrock	Office Bldg. Interior
JED-005-PLM-007	Sheetrock	Office Bldg. Interior
JED-005-PLM-008	Sheetrock	Office Bldg. Interior
JED-005-PLM-009	Sheetrock	Office Bldg. Interior
JED-005-PLM-010	Sheetrock	Office Bldg. Interior
JED-005-PLM-011	Sheetrock	Office Bldg. Interior
JED-005-PLM-012	Floor Debris	Structure 1 Interior
JED-005-PLM-013	Floor Debris	Structure 1 Interior
JED-005-PLM-014	Debris Pile #1	Exterior (southeast)
JED-005-PLM-015	Debris Pile #2	Exterior (southeast)
JED-005-PLM-016	Debris Pile #3	Exterior (southeast)
JED-005-PLM-017	Debris Pile #3	Exterior (southeast)
JED-005-PLM-018	Debris Pile #4	Exterior (south)
JED-005-PLM-019	TSI Pipe (white, chalky)	Structure 2 Interior
JED-005-PLM-020	TSI Pipe (white, chalky)	Structure 2 Interior
JED-005-PLM-021	TSI Pipe (white, chalky)	Structure 2 Interior
JED-005-PLM-022	Debris Pile #5	Exterior (south)
JED-005-PLM-023	Debris Pile #5	Exterior (south)
JED-005-PLM-024	Brick Mortar	Factory Interior
JED-005-PLM-025	Brick Mortar	Factory Interior

Receiving Laboratory	Address	Phone Number
EMLab P&K	6301 NW 5th Way, Suite 2850, Ft. Lauderdale, FL 33309	(866) 871-1984

Relinquished By	Date / Time	Received By	Date / Time
	7/12/23 @ 1605	FedEx 817768806090	
Fedex	See shipping docs		
		9/13/23 10:12	

☐ Positive Stop on HA ☐ Additional Pages Attached Page 1 of 3

Leaaf

Asbestos Chain of C

003317914

Project Name	JM3 – JM5 Site	**Project #**	JED-005
Address	6001 River Rd, Marrero, LA		
Leaaf Contact	Madeline Dickson	**Email**	mdickson@leaaf.com
Sample By	Suzanne Sicotte	**Sample Date**	7/12/2023

Analysis	☒ PLM (EPA method 600/R-93-116) ☐ Point Count 400 (down to <0.25%)
Turnaround	☐ Same Day (3 Hr) ☒ Next Day (24 Hr) ☐ Standard (2 days) ☐ Holiday Weekend

Sample #	Description	Volume, Area or HA# (as Applicable)
JED-005-PLM-026	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-027	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-028	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-029	Panels	Factory Interior
JED-005-PLM-030	Panels	Factory Interior
JED-005-PLM-031	TSI Elbow (10", chalky)	Factory Interior
JED-005-PLM-032	TSI Elbow (6", chalky)	Factory Interior
JED-005-PLM-033	Window Glazing (white)	Factory Interior
JED-005-PLM-034	Window Glazing (white)	Factory Interior
JED-005-PLM-035	Mastic/Tar (black)	Factory Side Room Interior
JED-005-PLM-036	Mastic/Tar (black)	Factory Side Room Interior
JED-005-PLM-037	Cement Panel	Factory Side Room Interior
JED-005-PLM-038	Cement Panel	Factory Side Room Interior
JED-005-PLM-039	9" x 9" Floor Tile (brown)	Factory Side Room Interior
JED-005-PLM-040	9" x 9" Floor Tile (brown)	Factory Side Room Interior
JED-005-PLM-041	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-042	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-043	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-044	TSI Pipe (white, chalky)	Factory Interior
JED-005-PLM-045	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-046	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-047	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-048	TSI Pipe (waffle)	Factory Interior
JED-005-PLM-049	9" x 9" Floor Tile (gray)	Factory Side Room Interior
JED-005-PLM-050	9" x 9" Floor Tile (gray)	Factory Side Room Interior

Receiving Laboratory	Address	Phone Number
EMLab P&K	6301 NW 5th Way, Suite 2850, Ft. Lauderdale, FL 33309	(866) 871-1984

Relinquished By	Date / Time	Received By	Date / Time
Fedex	7/12/23 @ 1625 See shipping docs	FedEx 817758806090	
			7/13/23 10:12

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Leaaf Environmental LLC
2301 Whitney Ave Gretna, LA 70056
(504) 342-2687
www.leaaf.com

Leaaf

Asbestos Chain

003317914

Project Name	JM3 – JM5 Site	**Project #**	JED-005
Address	6001 River Rd, Marrero, LA		
Leaaf Contact	Madeline Dickson	**Email**	mdickson@leaaf.com
Sample By	Suzanne Sicotte	**Sample Date**	7/12/2023

Analysis	☒ PLM (EPA method 600/R-93-116) ☐ Point Count 400 (down to <0.25%)
Turnaround	☐ Same Day (3 Hr) ☒ Next Day (24 Hr) ☐ Standard (2 days) ☐ Holiday Weekend

Sample #	Description	Volume, Area or HA# (as Applicable)
JED-005-PLM-051	12" x 12" Floor Tile (pink)	Factory Interior
JED-005-PLM-052	12" x 12" Floor Tile (pink)	Factory Interior
JED-005-PLM-053	12" x 12" Floor Tile (green)	Factory Interior
JED-005-PLM-054	12" x 12" Floor Tile (green)	Factory Interior
JED-005-PLM-055	12" x 12" Floor Tile (blue)	Factory Interior
JED-005-PLM-056	12" x 12" Floor Tile (blue)	Factory Interior
JED-005-PLM-057	Floor Debris	Factory Interior
JED-005-PLM-058	Floor Debris	Factory Interior
JED-005-PLM-059	Wire Insulation	Factory Interior 2nd Level
JED-005-PLM-060	Wire Insulation	Factory Interior 2nd Level

Receiving Laboratory	Address	Phone Number
EMLab P&K	6301 NW 5th Way, Suite 2850, Ft. Lauderdale, FL 33309	(866) 871-1984

Relinquished By	Date / Time	Received By	Date / Time
	7/12/23 @ 1625	FedEx 817758806090	
Fedex	See shipping docs		
		7/13/23 10:42	

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Leaaf Environmental LLC
2301 Whitney Ave Gretna, LA 70056

(504) 342-2687
www.leaaf.com

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to

Eurofins EPK Built Environment Testing LLC - Ft. Lauderdale
6301 NW Fifth Way Ste 1410
Fort Lauderdale, Florida 33309

Agency Interest No. 144892
Activity No. ACC20220001

According to the Louisiana Administrative Code, Title 33, Part I, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part I, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part I. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:I.4711.

Tonya Landry
Administrator
Public Participation and Permit Support Division

Issued Date: 6/28/2023

Effective Date: July 1, 2023
Expiration Date: June 30, 2024
Certificate Number: 04153

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Eurofins EPK Built Environment Testing LLC - Ft. Lauderdale
AI Number: 144892
Activity No. ACC20220001
Expiration Date: June 30, 2024

Effective Date: July 1, 2023

6301 NW Fifth Way Ste 1410, Fort Lauderdale, Florida 33309

Certificate Number: 04153

Air Emissions

Analyte	Method Name	Method Code	Matrix	Type
100683 - Fungal - Direct Examination (Air)	EM-MY-S-1038	9424	AIHA Policy Module	AIHA
100251 - Fungal Direct Exam	EM-MY-S-1039	9425	AIHA Policy Module	AIHA
100251 - Fungal Direct Exam	EM-MY-S-1041	9426	AIHA Policy Module	AIHA
100679 - Fungal Growth in Culturable Air Samples	EM-MY-S-1043	9427	AIHA Policy Module	AIHA
100686 - Bacterial - Culturable Air Samples	EM-BT-S-1051	9430	AIHA Policy Module	AIHA
100206 - Asbestos and Other Fibers	NIOSH 7400, Rev.3	90018001	AIHA Policy Module	AIHA

Non Potable Water

Analyte	Method Name	Method Code	Matrix	Type
NONE	NONE	NONE	NONE	NONE

Solid Chemical Materials

Analyte	Method Name	Method Code	Matrix	Type
100095 - Asbestos in Bulk Insulation	40 CFR 763, Subpart E, Appendix E (Section 1.PLM)	2004	ISO 17025	NVLAP
100684 - Bacterial - Culturable Bulk Samples	EM-PR-S-1040	9428	AIHA Policy Module	AIHA
100685 - Bacterial - Culturable Surface Samples	EM-PR-S-1040	9428	AIHA Policy Module	AIHA
100674 - Fungal Growth in Culturable Bulk Samples	EM-PR-S-1040	9428	AIHA Policy Module	AIHA
100865 - Fungal Growth in Culturable Surface Samples	EM-PR-S-1040	9428	AIHA Policy Module	AIHA
100674 - Fungal Growth in Culturable Bulk Samples	EM-MY-S-2584	9429	AIHA Policy Module	AIHA
100865 - Fungal Growth in Culturable	EM-MY-S-2584	9429	AIHA	AIHA

Clients and Customers are urged to verify the laboratory's current certification status with the Louisiana Environmental Laboratory Accreditation Program.

Solid Chemical Materials

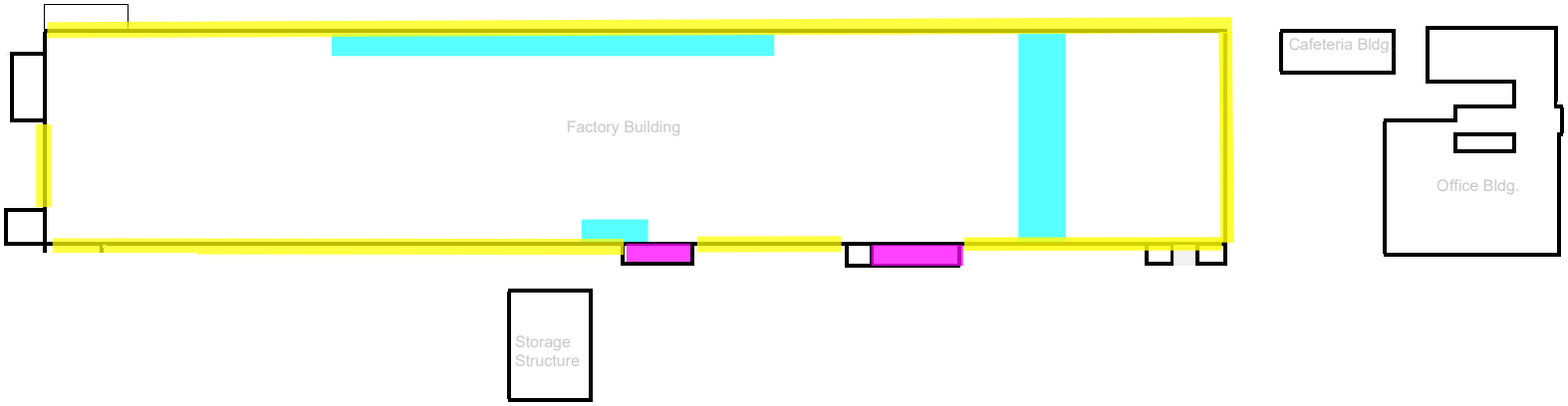
Analyte	Method Name	Method Code	Reference	Sub
Surface Samples			Policy Module	
100684 - Bacterial - Culturable Bulk Samples	EM-BT-S-1050	9431	AIHA Policy Module	AIHA
100685 - Bacterial - Culturable Surface Samples	EM-BT-S-1050	9431	AIHA Policy Module	AIHA
100172 - Asbestos by Polarized Light Microscopy	EPA 600/R-93/116	10294583	ISO 17025	NVLAP
100791 - Asbestos in Bulk Building Materials	EPA 600/R-93/116	10294583	ISO 17025	NVLAP
100095 - Asbestos in Bulk Insulation	EPA 600/R-93/116	10294583	ISO 17025	NVLAP

Biological Tissue

Analyte	Method Name	Method Code	Reference	Sub
NONE	NONE	NONE	NONE	NONE

Summary of Asbestos-Containing Materials (ACM)
Factory Building

- Flooring and Mastic - approximately 4,400 SF (488 SY) total for building
- White Window Glazing - approximately 3,000 LF (1,000 LY) total for 50 windows of building
- Black Tar adhered to Gray Cement Panels - approximately 2,575 SF (286 SY) total for building



Factory Building Notes:

Each window (3' x 5') consists of 15 window panes (1' x 1').

9” x 9” gray floor tile w/ yellow mastic located on floors on south side and mezzanine levels.

12” x 12” pink, green, and blue floor tile located on floors on north side.

Black Tar adhered to Gray Cement Panels are product remaining at the site and stored in south side rooms.

ACM Location Map

Parcels JM3 - JM5
6001 River Road
Jefferson Parish, Marrero, LA 70072

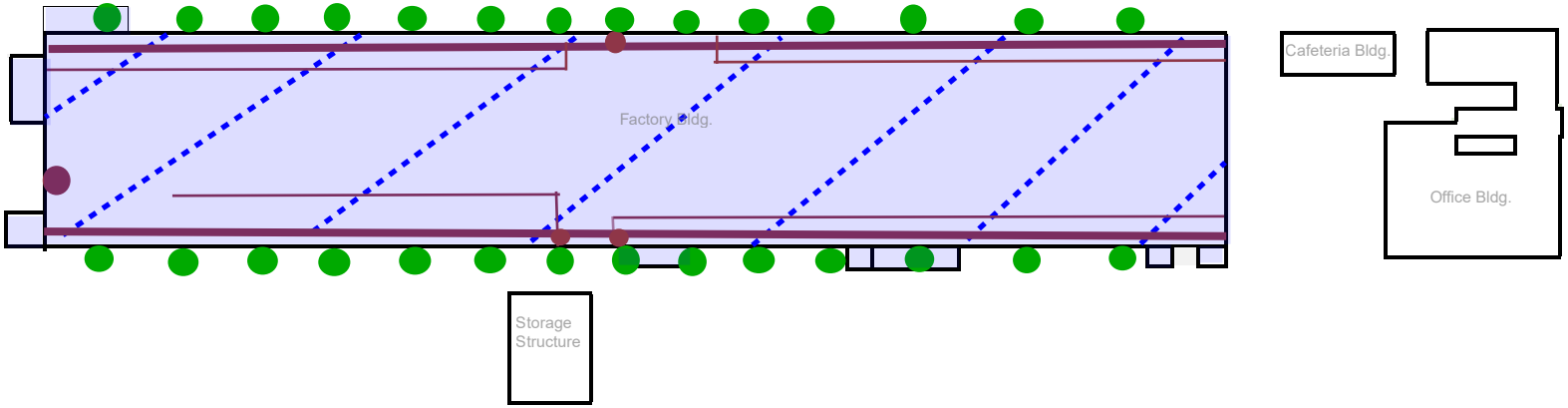
Survey Date:
7/12/2023

Leaaf Project No.:
JED-005

Leaaf Environmental, LLC
2301 Whitney Avenue
Gretna, LA 70056

Summary of Asbestos-Containing Materials (ACM)
Factory Building

- Thermal System Insulation Pipe / Elbows - approximately 3,500 LF (1,166 LY) total for building
- Gray Corrugated Transite - approximately 75,000 SF (7,833 SY) total for building
- Gray Transite Pipe - approximately 900 LF (300 SY) total for building
- Gray Transite Debris - approximately 142,000 SF (15,777 SY) total for building



Factory Building Notes:

Thermal System Insulation Pipe (gray, waffle) located on the interior north and west sides.

Thermal System Insulation Pipe and Elbows (white, chalky) located on the interior north and south sides.

Gray Corrugated Transite located on exterior roof and siding throughout.

Gray Transite Pipe located on the exterior north and south sides.

Gray Transite Debris located on interior floors throughout.

ACM Location Map

Parcels JM3 - JM5
6001 River Road
Jefferson Parish, Marrero, LA 70072

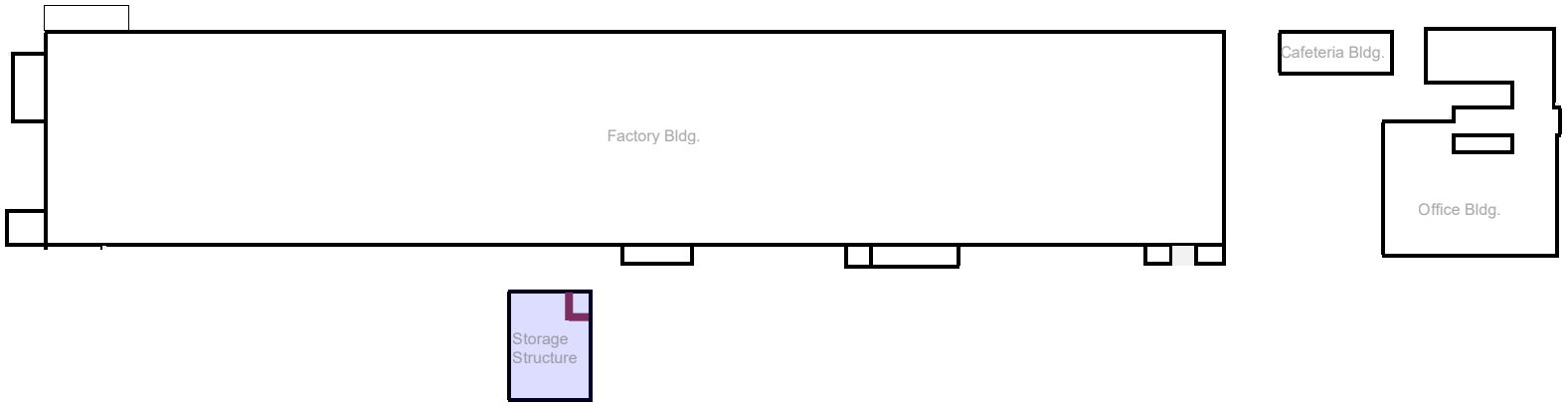
Survey Date:
7/12/2023

Leaaf Project No.:
JED-005

Leaaf environmental
Leaaf Environmental, LLC
2301 Whitney Avenue
Gretna, LA 70056

Summary of Asbestos-Containing Materials (ACM)
Storage Structure

- Thermal System Insulation Pipe - approximately 18 LF (6 LY) total for building
- Gray Corrugated Transite - approximately 6,100 SF (678 SY) total for building



Storage Structure Notes:

Thermal System Insulation Pipe (white, chalky) located at interior northeast corner.

Gray Corrugated Transite located on exterior roof and siding (upper wall portion) throughout.

ACM Location Map

Parcels JM3 - JM5
6001 River Road
Jefferson Parish, Marrero, LA 70072

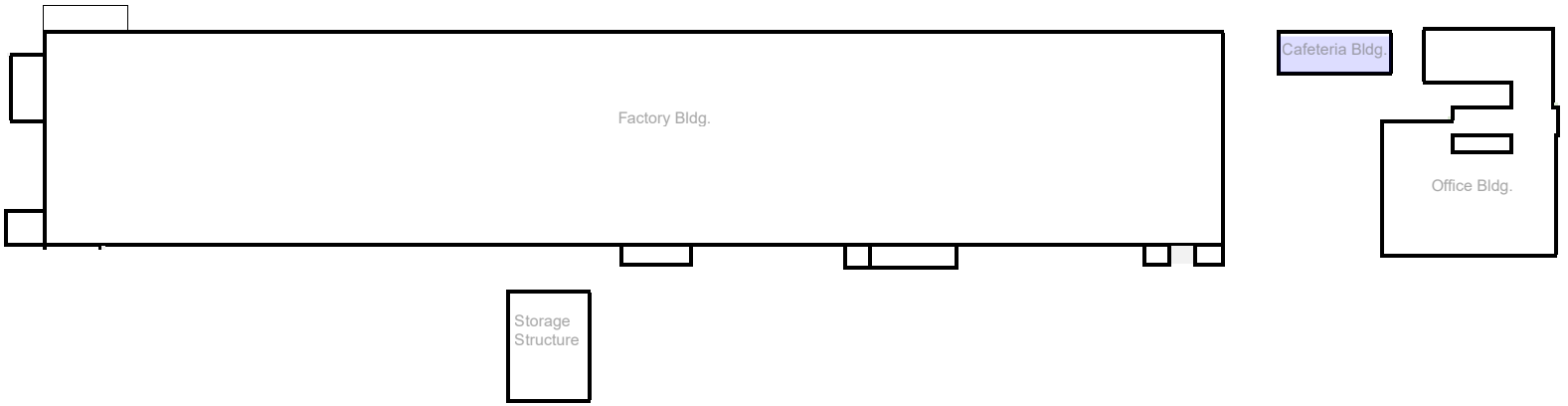
Survey Date:
7/12/2023

Leaaf Project No.:
JED-005

Leaaf Environmental, LLC
2301 Whitney Avenue
Gretna, LA 70056

Summary of Asbestos-Containing Materials (ACM)
Cafeteria Building

- Gray Corrugated Transite - approximately 3,800 SF (422 SY) total for building



Cafeteria Building Notes:

Gray Corrugated Transite located on exterior roof and siding (3 walls).

ACM Location Map

Parcels JM3 - JM5
6001 River Road
Jefferson Parish, Marrero, LA 70072

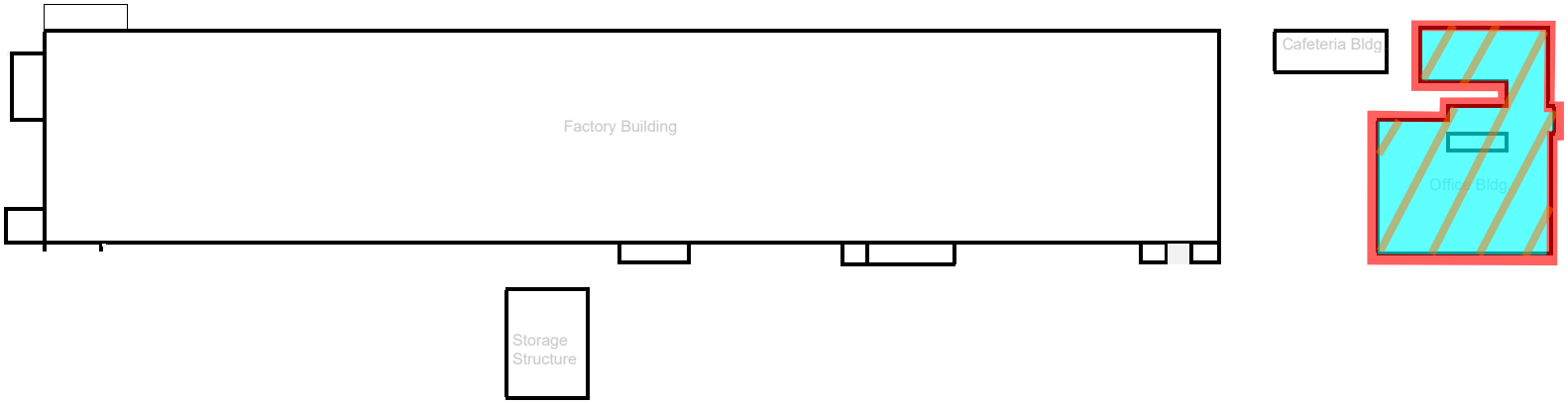
Survey Date:
7/12/2023

Leaaf Project No.:
JED-005

Leaaf Environmental, LLC
2301 Whitney Avenue
Gretna, LA 70056

Summary of Asbestos-Containing Materials (ACM)
Office Building

- Flooring and Mastic - approximately 15,497 SF (1,721 SY) total for building
- White Sheetrock Texture - approximately 26,865 SF (2,985 SY) total for building
- Transite Siding - approximately 11,368 SF (1,263 SY) total for building



Office Building Notes:

9” x 9” tan floor and black mastic and 12” x 12” beige floor tile and black mastic located on interior floors throughout.

ACM Location Map

Parcels JM3 - JM5
6001 River Road
Jefferson Parish, Marrero, LA 70072

Survey Date:
7/12/2023

Leaaf Project No.:
JED-005

Leaaf Environmental, LLC
2301 Whitney Avenue
Gretna, LA 70056

Summary of Asbestos-Containing Materials (ACM)
Site Exterior

- Building and Construction Debris - approximately 33,198 SF (3,688 SY) total for exterior

Site Exterior Notes:

Asbestos-containing gray and brown paper, gray insulation, and gray transite found in debris piles throughout the exterior of the site.

ACM Location Map

Parcels JM3 - JM5
6001 River Rd
Jefferson Parish, Marrero, LA

Survey Date:
7/12/2023

Leaaf Project No.:
JED-005

Leaaf Environmental, LLC
2301 Whitney Avenue
Gretna, LA 70056

Photos of Asbestos-Containing Materials (ACM)

Photo of 9” x 9” Tan Floor Tile and associated Black Mastic sampled in Office Building.

Photo of 12” x 12” Beige Floor Tile and associated Black Mastic sampled in Office Building.

Photo of transite siding on the exterior of the Office Building.

Photo of gray corrugated transite roofing and siding for the Cafeteria Building.

Photos of Asbestos-Containing Materials (ACM)

Photo of thermal system insulation pipe and corrugated transite roofing/siding for the Storage Structure.

Photo of black tar on non-ACM cement panels stored in the Factory Building.

Photo of black tar on non-ACM cement panels stored in the Factory Building.

Photo of thermal system insulation sampled in the Factory Building.

Photos of Asbestos-Containing Materials (ACM)

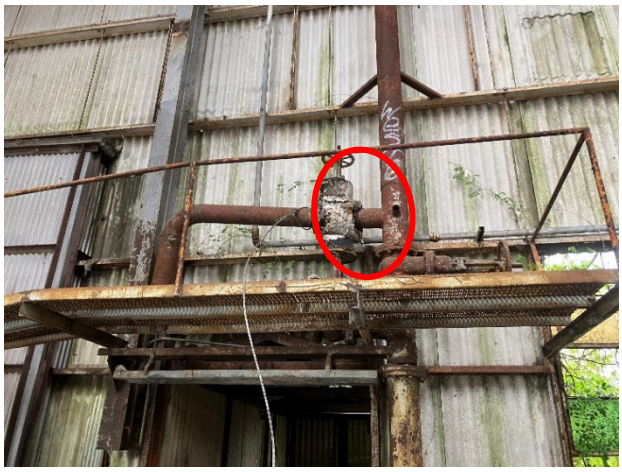


Photo of thermal system insulation sampled in the Factory Building.

Photo of transite pipe and corrugated transite siding located on the exterior of the Factory Building.

Photo of 12” x 12” Floor Tile and Mastic sampled in Factory Building.

Photo of ACM building and construction debris.

Photos of Asbestos-Containing Materials (ACM)

Photo of ACM building and construction debris.

Photo of ACM building and construction debris.

Photo of ACM building and construction debris.

Photo of ACM building and construction debris.

Photos of Asbestos-Containing Materials (ACM)

Photo of ACM building and construction debris.

Photo of ACM building and construction debris.

Photo of ACM building and construction debris.

Photo of ACM building and construction debris.

APPENDIX C

References

American Standards for Testing and Materials (ASTM) International. 2019. E1903-19 Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process.

ASTM E2356-14. Standard Practice for Comprehensive Building Asbestos Surveys.

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OSHA. CFR Title 29 Part 1926 Section 1101 Asbestos.

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APPENDIX C

References

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OSHA. CFR Title 29 Part 1910, Section 1001 Asbestos.

OSHA. CFR Title 29 Part 1926 Section 1101 Asbestos.

OSHA. CFR Title 29 Part 1910, Section 120 Asbestos.

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Terracon. 2023. Phase II Environmental Site Assessment, JM3 – JM5 Parcels. 6001 River Road, Marrero, Jefferson Parish, LA. December 6, 2023.

Phase II Environmental Site Assessment

JM3-JM5 Parcels

6001 River Road

Marrero, Louisiana

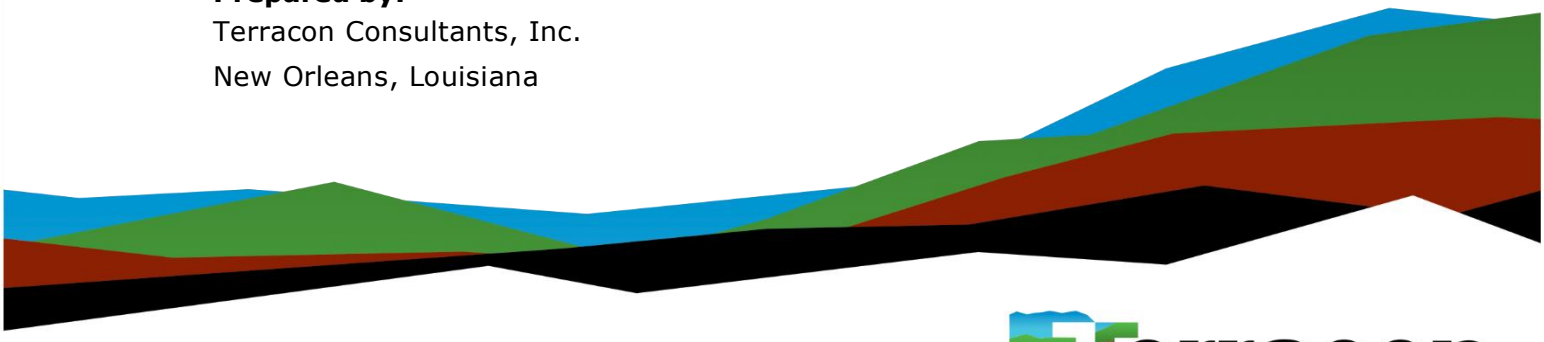
December 6, 2023

Terracon Project No. ET237079

Grant Number: BF 01F95601

Prepared for:
JEDCO Development Corporation
700 Churchill Park Blvd
Avondale, LA

Prepared by:
Terracon Consultants, Inc.
New Orleans, Louisiana



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"The Phase II Environmental Site Assessment (ESA) reported herein was funded wholly or in part through a cooperative agreement between the Environmental Protection Agency's (EPA's) Brownfield and Land Revitalization Program and the Jefferson Parish Economic Development Commission's (JEDCO's) Brownfield Redevelopment Program (EPA Cooperative Agreement No. BF-01F95601-0). The contents of this document do not necessarily reflect the views and policies of the EPA or JEDCO, nor does the EPA or JEDCO endorse trade names or recommend the use of commercial products mentioned in this document."

524 Elmwood Park Boulevard #170
New Orleans, LA 70123
P (504) 818-3638
Terracon.com

December 6, 2023

JEDCO Development Corporation
700 Churchill Park Blvd
Avondale, Louisiana 70094

Attn: Mr. Bryan Ontario
P: (504) 875 – 3908
E: bontario@jedco.org

RE: Phase II Environtmental Site Assessment
JM3-JM5 Parcels
6001 River Road
Marrero, Jefferson Parish, Louisiana
Terracon Project No. ET237079

Dear Mr. Ontario:

At your request, Terracon Consultants, Inc. (Terracon) has completed a Phase II Environmental Site Assessment (ESA) at the above-referenced property. This investigation was performed in accordance with Terracon Proposal No. PET237079, dated March 31, 2023 and the EPA approved Quality Assurance Project Plan dated July 27, 2023.

Terracon appreciates the opportunity to be of service to JEDCO. Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

Diana M. Day, PE
Project Engineer

Zack L. Dial, P.E.
Principal

EXECUTIVE SUMMARY

Site History

According to historical documentation, the site was undeveloped from approximately 1891 through 1949. By 1950 the site is developed with the current on-site structures and operated as the Johns Manville transite pipe factory. The facility manufactured building products that contained asbestos. A machine and welding shop and underground storage tanks are depicted on historical Sanborn maps during Johns Manville operations. Operations ceased in 1985.

Terracon conducted a Phase I Environmental Site Assessment (ESA) report dated March 9, 2023, at the site which identified the following Recognized Environmental Conditions (RECs) and/or site concerns:

- **On-Site Historical Operations:** According to historical documentation, the site was occupied by the Johns Manville from approximately the 1950s to 1985 and produced building products that contained asbestos, a carcinogenic mineral. There are three ditches that were used for discharges of process water from the manufacturing processes of since Johns Manville began operations on the northern adjoining property in the 1930s. Process water from the asphalt still and roofing machine as well as the shingle machine were discharged into the unlined drainage ditches. A NPDES discharge permit was not obtained until 1968, and until that time discharges to the ditches were unregulated. Historical Sanborn maps depict a machine and welding shop on the eastern most portion of the former on-site transite pipe factory. Additionally, underground storage tanks are depicted near the pump house. There are no records associated with the storage tanks. Underground storage or potential drainage collection systems were observed at the site during the site reconnaissance. Additionally, asbestos containing material (ACM) was observed scattered throughout the site.

- **Northern Adjoining Historical Operations:** In addition to the subject property, Johns Manville occupied the adjoining property to the north producing asbestos roofing tiles. Johns Manville Asbestos and Paper Roofing factory is first depicted on the northern adjoining property in 1937. The facility operated without dust suppression devices on its stacks and equipment until approximately 1971, until that point the air emissions from the facility were unregulated. In addition to the Johns Manville Facility, Ram Rod Trucking operated on the northern adjoining property conducting truck maintenance and washing activities without a NPDES discharge permit. According to readily available records on LDEQ's Electronic Document Management System (EDMS), numerous subsurface investigations have been performed on the adjoining property to the north. Asbestos containing

material (ACM) has been identified in the surface soil throughout the northern adjoining property. Additionally, according to the most recent Site Investigation Report, dated July 2021 performed on the northern adjoining property, arsenic and extractable petroleum hydrocarbons (EPH) constituents were identified in groundwater on the northern adjoining property near to the property boundaries of the subject property above regulatory screening standards.

- **Southern Adjoining Historical Operations:** While not considered a REC, in addition to the subject property, Johns Manville occupied the adjoining property to the south producing asbestos floor tiles. Johns Manville Asbestos and Paper Roofing factory is first depicted on the southern adjoining property in 1964. According to readily available records on LDEQ's EDMS, ACM has been identified in the surface soil throughout the southern adjoining properties.

Reason for Investigation

The purpose of the investigation is to assess soil and groundwater effects from potential releases and spills from the on and off-site RECs and/or site concerns potential impacts .

Site Characteristics

The property is approximately 12 acres of industrially developed land located at 6001 River Road, Marrero, Louisiana (hereinafter, the site). The site has an approximate Center at Latitude 29°54'07.6" North and Longitude 90°06'48.2" West with an average elevation of approximately 20 feet National Geodetic Vertical Datum (NGVD). The site is bound by river road and the former Johns Manville asbestos roofing manufacturing facility to the north; residential properties to the east; residential and industrial facilities to the south; and warehouses to the west. The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A site vicinity map is presented as Exhibit 2 of Appendix A.

The site is improved with three buildings and one covered storage pad. The three buildings include an approximate 15,000 square foot (sf) office building, an approximate 2,100 sf cafeteria, and an approximate 135,500 sf factory building. An approximate 4,300 sf covered storage area is also located on site. The remaining site area is improved with paved parking and features from its former use as a Johns Manville manufacturing facility. The site layout is depicted on Exhibit 3 of Appendix A.

Site Status

The site is currently vacant and does not support any operations.

Soil Type

During the site assessment, the soils were typically described as fat clays followed by silty clays. Further discussion of the site and area Geology and Hydrology are presented in Section 3.4.

Highest Concentrations Detected in all Media

The highest concentrations detected in surface soil (<15ft bgs) are as follows:

- Acetone B-18 (0-2) Concentration of 0.063 milligrams per kilograms mg/kg
- Benzo(a)anthracene B-14 (0-2) DUP Concentration of 0.191 mg/kg
- Benzo(a)pyrene B-14 (0-2) DUP Concentration of 0.218 mg/kg
- 2-Methylnaphthalene B-17 (0-2) Concentration of 0.0438 mg/kg
- Acenaphthylene B-14 (0-2) DUP Concentration of 0.013 mg/kg
- Anthracene B-14 (0-2) DUP Concentration of 0.0429 mg/kg
- Benzo(b)fluoranthene B-13 (0-2) Concentration of 0.332 mg/kg
- Benzo(k)fluoranthene B-13 (0-2) Concentration of 0.115 mg/kg
- Chrysene B-14 (0-2) DUP Concentration of 0.233 mg/kg
- Fluoranthene B-14 (0-2) DUP Concentration of 0.427 mg/kg
- Indeno(1,2,3-cd) pyrene Concentration of 0.206 mg/kg
- Phenanthrene B-14 (0-2) DUP Concentration of 0.287 mg/kg
- Pyrene B-14 (0-2) DUP Concentration of 0.331 mg/kg
- Fluorene B-17 (0-2) Concentration of 0.00248 mg/kg
- N-Nitroso-di-n-propylamine B-12 (0-2) Concentration of 0.16 mg/kg
- Aliphatics >C12-C16 B-4 (0-2) Concentration of 2.62 mg/kg
- Aliphatics >C16-C35 B-4 (0-2) Concentration of 38.7 mg/kg
- Aromatics >C16-C21 B-4 (0-2) Concentration of 17.3 mg/kg
- Aromatics >C21-C35 B-4 (0-2) Concentration of 32.8 mg/kg
- Naphthalene B-14 (0-2) DUP Concentration of 0.0723 mg/kg
- Dibenzo(a,h)anthracene B-14 (0-2) DUP Concentration of 0.0375 mg/kg
- Antimony B-8 (0-2) Concentration of 1.2 mg/kg
- Arsenic B-14 (0-2) Concentration of 7.4 mg/kg
- Barium B-20 (2-4) Concentration of 211 mg/kg
- Beryllium B-2 (0-2) Concentration of 0.85 mg/kg
- Chromium B-17 (0-2) Concentration of 33.4 mg/kg
- Cobalt B-5 (2-4) Concentration of 9.1 mg/kg
- Copper B-8 (0-2) Concentration of 32.5 mg/kg
- Lead B-8 (0-2) Concentration of 66.8 mg/kg
- Nickel B-16 (0-2) Concentration of 32.5 mg/kg
- Mercury B-14 (0-2) DUP Concentration of 0.071 mg/kg
- Selenium B-14 (0-2) DUP Concentration of 1.8 mg/kg
- Silver B-6 (2-4) Concentration of 0.32 mg/kg
- Thallium B-13 (0-2) Concentration of 1.1 mg/kg
- Vanadium B-2 (0-2) Concentration of 37.8 mg/kg

- Zinc B-15 (0-2) Concentration of 77.1 mg/kg

The highest concentrations detected in subsurface soil (> 15 ft bgs) are as follows:

- 1,1-Dichloroethene B-16 (14-16) Concentration of 0.0063 mg/kg

The highest concentrations detected in groundwater:

- 2,3,4,6-Tetrachlorophenol TW-20, concentration of 0.000446 milligrams per liter mg/L
- 2-Methylnaphthalene TW-13, concentration of 0.0258 mg/L
- Acenaphthene TW-20, concentration of 0.0143 mg/L
- Acenaphthylene TW-20, concentration of 0.000141 mg/L
- Anthracene TW-20, concentration of 0.00358 mg/L
- Benzo(a)anthracene TW-20, concentration of 0.00258 mg/L
- Benzo(a)pyrene TW-20, concentration of 0.000566 mg/L
- Benzo(b)fluoranthene TW-20, concentration of 0.00107 mg/L
- Benzo(k)fluoranthene TW-20, concentration of 0.000357 mg/L
- Biphenyl (Diphenyl) TW-13, concentration of 0.00318 mg/L
- Chrysene TW-20, concentration of 0.00226 mg/L
- Dibenz(a,h)anthracene TW-20, concentration of 0.000612 mg/L
- Dibenzofuran TW-20, concentration of 0.00939 mg/L
- Fluoranthene TW-20, concentration of 0.0186 mg/L
- Fluorene TW-20, concentration of 0.00793 mg/L
- Naphthalene TW-13, concentration of 0.0490 mg/L
- Pentachlorophenol TW-2, concentration of 0.00389 mg/L
- Phenanthrene TW-20, concentration of 0.0252 mg/L
- Phenol TW-20, concentration of 0.00806 mg/L
- Pyrene TW-20, concentration of 0.0117 mg/L
- Acetone TW-12, concentration of 0.0076 mg/L
- Carbon disulfide TW-12, concentration of 0.0013 mg/L
- Aliphatic (C16-C35) TW-1, concentration of 0.141 mg/L
- Arsenic TW-8, concentration of 0.23 mg/L
- Barium TW-8, concentration of 1.2 mg/L
- Cobalt TW-16, concentration of 0.0025 mg/L
- Nickel TW-16, concentration of 0.0053 mg/L
- Vanadium TW-1, concentration of 0.0024 mg/L
- Zinc TW-13, concentration of 0.017 mg/L

Potential and/or Affected Receptors

Terracon is not aware of any affected receptors resulting from this release. Currently there is no potential for direct exposure to soil and groundwater as the site is fenced to limit unauthorized site access and is predominately paved with concrete and/or asphalt. As volatile constituents were detected and there is potential for enclosed structures as part of redevelopment activities, there is potential for exposure to vapors via the enclosed space pathway. There is the potential for direct exposure to

soil and groundwater by construction workers during site redevelopment. The Conceptual Site Model (CSM) is depicted on Exhibit 8 and is discussed in Section 5.0

Problem Evaluation and Recommendation

Chromium and thallium were detected in the surface soil at concentrations above the Limiting Screening Standard (LSS) and were further evaluated under RECAP Management Option-1 (MO-1). Arsenic and several SVOC constituents were detected in groundwater above the LSS and were further evaluated under MO-1. Several volatile constituents were detected in soil and groundwater below the LSS but were included in the MO-1 evaluation for the enclosed space pathway. The MO-1 Evaluation indicated that concentrations detected in soil and groundwater were below their respective MO-1 Limiting RECAP Standard (LRS) with the exception of chrysene in groundwater. Additionally, the enclosed space evaluation indicated that volatile constituents were detected below the enclosed space LRS. Additionally asbestos fibers were identified in the near surface soil (0-4 ft). As asbestos fibers are present in the soil and chrysene is present in groundwater above the MO-1 LRS, corrective action is warranted.

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1.0 SITE HISTORY

The property is approximately 12 acres of industrially developed land located at 6001 River Road, Marrero, Louisiana (hereinafter, the site). The site has an approximate Center at Latitude 29°54'07.6" North and Longitude 90°06'48.2" West with an average elevation of approximately 20 feet National Geodetic Vertical Datum (NGVD). The site is bound by river road and the former Johns Manville asbestos roofing manufacturing facility to the north; residential properties to the east; residential and industrial facilities to the south; and warehouses to the west. The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. A site vicinity map is presented as Exhibit 2 of Appendix A.

The site is improved with three buildings and one covered storage pad. The three buildings include an approximate 15,000 square foot (sf) office building, an approximate 2,100 sf cafeteria, and an approximate 135,500 sf factory building. An approximate 4,300 sf covered storage area is also located on site. The remaining site area is improved with paved parking and features from its former use as a Johns Manville manufacturing facility. The site layout is depicted on Exhibit 3 of Appendix A.

1.1 Previous Land Use

According to historical documentation, the site was undeveloped from approximately 1891 through 1949. By 1950 the site is developed with the current on-site structures and operated as the Johns Manville transite pipe factory. The facility manufactured building products that contained asbestos. A machine and welding shop and underground storage tanks are depicted on historical Sanborn maps during Johns Manville operations. Operations ceased in 1985.

1.2 Current Land Use

The site is currently vacant and does not support any operations.

1.3 Future Land Use

Future use is unknown but includes potential for redevelopment for industrial or commercial businesses.

1.4 Zoning of the Site

The site is located in the M2 Industrial district.

1.5 Description of Release

The site is currently vacant with no active sources located on-site. The release is assumed to be from historic operations. The site was developed with the current on-site structures and operated as the Johns Manville transite pipe factory approximately in 1950. The facility manufactured building products that contained asbestos. A machine and welding shop and underground storage tanks were depicted on historical Sanborn maps during Johns Manville operations. Operations ceased in 1985.

1.6 Results of Preliminary Evaluation Investigation

The site has not been previously investigated.

2.0 EMERGENCY/INTERIM CORRECTIVE ACTION

To date emergency/interim corrective action measures have not been performed at the site.

3.0 SITE INVESTIGATION

Terracon performed a Phase II ESA in accordance with the EPA approved Quality Assurance Project Plan dated July 13, 2023 and Louisiana Department of Environmental Quality Risk Evaluation/Corrective Action Program (RECAP) Appendix B and LDEQ's Voluntary Remediation Program (VRP) regulations. Field activities were initiated on September 11, 2023. The general scope of the site investigation consisted of the following activities: drilling, field screening, sampling, plugging and abandonment of temporary wells and boreholes. The boreholes and temporary wells were prepared/installed and plugged and abandoned, in accordance with procedures mandated by the LDEQ and the Louisiana Department of Natural Resources (LDNR) *"Guidance Manual for Environmental Boreholes and Monitoring Systems,* November 2021.

3.1 Soil Boring Sampling

Twenty soil borings (B-1 through B-20) were advanced on the site in areas suspected to be impacted from the identified RECs and/or site concerns. Exhibit 4 of Appendix A depicts the soil boring locations. The borings were advanced to a terminal depth of 16 feet below ground surface (bgs) using a Geoprobe® track-mounted direct-push drilling rig. Soil samples were collected by pushing a four-foot Macro-Core™ sampler lined with a disposable acetate liner. Soil samples were collected continuously and logged in 2-foot intervals for visual classification in accordance with the American Society for Testing and Materials (ASTM) Standard D2488 and documented on a boring log using the Unified Soil Classification System. The soil boring logs are included as Appendix B.

Field screening of the soil samples for the presence of VOC was performed using a Photoionization Detector (PID). A representative portion of each 2-foot interval was placed in a clean 16-ounce glass container, covered with aluminum foil, and allowed to equilibrate for 15 minutes prior to measuring the headspace for VOC. PID results, visual observations and subsurface conditions were evaluated to determine the most appropriate soil sample from each boring location for analytical testing. PID results are provided on the soil boring logs included in Appendix B.

In general, up to four soil samples were collected from each boring for laboratory analysis at the following intervals:

- 0-2 feet interval
- Interval exhibiting the highest PID reading
- Groundwater interface
- Terminal depth of the boring

The samples were placed on ice in an insulated container and transported via chain-of-custody to the analytical laboratory.

3.2 Groundwater Sampling

All of the soil borings were converted to temporary wells (TW-1 through TW-20), labeled respective to the soil boring location. The temporary wells were constructed by inserting a 1-inch diameter PVC well point directly into the open borehole. The well pipe consisted of a 0.010-inch slotted PVC screen measuring 10 feet in length; with sufficient riser to reach ground surface. The annular space around the temporary wells was backfilled with 20/40 grade silica sand to 1 foot above the top of the screen followed by bentonite pellets to the surface.

The boring logs in Appendix B present the depth to where groundwater was first encountered. The depth to water was measured using a water/free phase product interface probe prior to purging. The stabilized water level is also indicated on the boring logs included in Appendix B.

The volume of water in the well was calculated prior to purging. Purging consisted of removing at least three well volumes or until the well went dry. Additionally, water quality parameters were measured at each well volume. The groundwater sampling forms are presented in Appendix B.

Groundwater samples were collected from each temporary monitor well using a peristaltic pump and dedicated bailers and contained in the laboratory provided containers. Samples analyzed for dissolved metals were field filtered. The samples were then placed on ice in an insulated container and shipped via chain-of-custody to the analytical laboratory.

3.3 Sampling and Analysis Program

Sealed sample containers for collected samples were provided by Pace Analytical (Pace located in St. Rose, Louisiana, an LDEQ approved analytical laboratory. All samples were submitted by Terracon personnel under chain-of-custody protocol to Pace for analysis. Pace shipped some samples to Pace National in Mt. Joliet, Tennessee for analysis. Soil samples to be assessed for asbestos fibers were sent to ESML in Cinnaminson, New Jersey.

The collected soil and groundwater samples were analyzed for a combination of volatile organic compounds (VOC) by Method 8260, SVOC and PAH by Method 8270, RCRA 8 metals and RECAP metals list by method 6010/6020/7041, volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH) by Method MADEP. Additionally, soil samples collected from the 0-4 foot interval were analyzed for asbestos fibers by Method ASTM D7521.

A summary of the Sampling and Analysis Program is presented as Table 1 in Appendix C.

3.4 Geology/Hydrogeology

3.4.1 Geology

According to the Jefferson Parish, LA USDA-NRCS Web Soil Survey, the site is situated within the Cancienne series of the alluvium and natural levees. The Cancienne series consists of soil that are poorly drained with very slow infiltration

rates. Soils situated within the alluvium and natural levees consist of gray to brown silt, clays, and silty clay.

Soil characteristics noted during the site investigation indicated the soils were under 3-4" of concrete beneath this concrete layer, soils encountered consisted of clays to approximately 4 feet bgs, followed by silty clays to terminal depths of the borings. A general cross-section is depicted in Exhibits 5, 6.1 and 6.2 of Appendix A.

3.4.2 Hydrogeology

The primary groundwater sources in Jefferson Parish include the Norco and Gonzales-New Orleans aquifers. Other aquifers underlying the area include Mississippi River point-bar deposits, shallow aquifers of the New Orleans area and Gramercy aquifer. The Norco aquifer generally ranges from about 50 to 150 feet in thickness and consists of fine to coarse sand. A clay layer separates the Norco aquifer from the underlying Gonzales-New Orleans aquifer. The top of the Gonzales-New Orleans aquifer ranges from about 500 feet bgs to 650 feet bgs is approximately 200 feet in thickness. This aquifer consists of fine to medium grained sand. Drinking water in Marrero is supplied by Jefferson Parish, with the drinking water source being the Mississippi River.

A water well survey was obtained from the LDNR website listing of registered water wells on October 26, 2023. According to the LDNR water well survey, there are two water wells listed as active located onsite. Although the wells are listed as active, the site is not in operation. One well is drilled to a depth of 788 feet and the other is drilled to a depth of 793 feet. Both have listed use as industrial. Additionally, 110 wells were identified within one mile of the site. Of the 110 wells, 69 were listed as plugged and abandoned. There are 37 active monitor wells drilled to depths of 9 to 18 feet. There are two wells with listed use as recovery and are drilled to a depth of 15 feet. There are two wells with listed use as dewatering drilled to depths of 21 and 23 feet. There is one well labeled piezometer drilled to a depth of 11 feet. There is one irrigation well drilled to a depth of 350 feet. A copy of the LDNR Water Well Survey is presented in Appendix D.

Groundwater at the site was typically encountered at depths of approximately 7 to 12 feet bgs during boring installation. Static water levels were measured at depths of approximately 3 to 5 feet bgs. The wells were surveyed to determine well surface elevations. The static water level measurements and well elevations were used to develop a Potentiometric Map. Based on the static water level measurements and well elevations, groundwater flow is predominantly to the east and northeast direction. The Potentiometric Map is presented as Exhibit 7 in Appendix A.

3.4.3 Aquifer Testing

Aquifer testing was not performed as part of this investigation. Aquifer tests from a nearby site were used to evaluate the hydraulic conductivity at the subject property. Slug tests were conducted at the former John Mansfield Property AI No 44805, located adjacent to the north of the site as documented in a RECAP Assessment report dated August 4, 2021 (EDMS Document ID No 12835389). The slug test results yielded an average hydraulic conductivity of 0.0000105 cm/s. A copy of the aquifer testing results are provided in Appendix D.

3.4.4 Groundwater Classification

Groundwater classification data from the former Johns Manville Property site to the north was used to classify groundwater at the subject site. At the former Johns Manville Property to the north, well yield was calculated using the average hydraulic conductivity value determined from the aquifer tests. The well yield was calculated using the equation from RECAP Appendix E for an unconfined aquifer and was calculated to be 63 gallon per day (gpd), see Appendix D. Based on the well yield, groundwater was classified as Groundwater 3. As similar geology and hydrology conditions exist at the site, groundwater at the site can be classified as Groundwater 3. The closest down gradient surface water body is the Mississippi River, which is considered a drinking water source, therefore the groundwater can be further classified as Groundwater 3 Drinking Water.

4.0 Analytical Results

Summaries of analytical results are included as Tables 2 through 8 in Appendix C. Analytical results were referenced to the laboratory quantitation limits (PQLS) for all constituents. Complete copies of the laboratory analytical reports are included in Appendix F.

4.1 Asbestos Analytical Results

Asbestos sampling results were compared to the EPA and LDEQ's definition of asbestos containing materials (ACM), which is defined as materials containing concentrations greater than 1% of the material sampled. The asbestos sampling results identified asbestos fibers in 15 of the 20 collected soil samples.

4.2 Soil Analytical Results

The soil analytical results were compared to LDEQ's Table 1 Screening Standards. Standards for industrial use were applied to the site. The laboratory analysis of soil samples detected the following:

- Three VOC constituents were detected. Of the concentrations detected, none exceeded, the RECAP Screening Standards.
- Several SVOC constituents were detected. Of the concentrations detected, none exceeded the RECAP Screening Standards.
- Several metal constituents were detected. Of the concentrations detected, detections of chromium and thallium exceeded the RECAP screening Standards
- One VPH constituent was detected. Of the concentrations detected, none exceeded the RECAP Screening Standards.
- Several EPH constituents were detected. Of the concentrations detected none exceeded the RECAP Screening Standards.

4.3 Groundwater Analytical Results

The groundwater analytical results were compared to LDEQ's Table 1 Screening Standards. The laboratory analysis of groundwater samples detected the following:

- Two VOC constituents were detected. Of the concentrations detected none exceeded the RECAP SS.
- Several SVOC constituents were detected. Of the concentrations detected, chrysene, 2-methylnaphthalene, naphthalene, and pentachlorophenol were detected above the RECAP SS.
- Several metal constituents were detected. Of the concentrations detected, arsenic was detected above RECAP SS.
- VPH constituents were detected below the laboratory reporting limits.
- One EPH constituent was detected, of the concentrations detected none exceeded the RECAP SS.

5.0 EXPOSURE RECEPTORS

A Conceptual Site Model (CSM) was developed to identify the constituent sources (primary, secondary, and tertiary), release mechanisms, exposure routes, and potential on-site and off-site receptors. The CSM was developed according to the guidelines presented in RECAP, Section 2.7 and the Conceptual Model Example presented as Figure 8 of RECAP. The CSM is included as Exhibit 8 in Appendix A of this report.

5.1 Biological Receptors

The site is currently unoccupied and is secured with fencing and a blocked entrance. Current land used in the immediate vicinity of the site is commercial, residential, and

undeveloped land. The site is paved with concrete. Currently there is no potential for exposure, however, should the site become redeveloped in the future, potential for exposure would be limited to on-site workers or construction workers.

5.2 Natural Receptors

The site is currently occupied and predominantly paved with concrete. Currently there is minimal potential for direct contact with the on-site soil and groundwater. However, should the site be redeveloped, the on-site soil and groundwater may come in direct contact with humans via incidental dermal contact or ingestion during construction activities. As there potential to redevelop the on-site structures, the on-site soil and groundwater volatiles emissions pathway to enclosed structures pathway is determined to be applicable as some of the constituents of concern are volatile.

The on-site surface water, sediment and aquatic biota exposure pathways are not applicable because there is no surface water on the subject site. The closest downgradient surface water body is the Mississippi River located approximately 500 feet north of the area of investigation (AOI).

5.3 Man-Made Receptors

Currently there are public underground utilities routed beneath the site. There are no active public supply wells within one mile of the site. Surface water on the site drains towards storm water drains that are located throughout the site as well as the onsite drainage ditches.

6.0 RECAP EVALUATION

The data obtained from this site investigation was used to perform a RECAP Evaluation. RECAP Standards were identified using the guidelines presented in Appendix H of the RECAP document.

6.1 Site Ranking

The site can be defined under the Group IV classification site ranking as per RECAP guidance (RECAP 2003, Appendix A). The site has a low likelihood of threat to human health or environment. Factors from Appendix A of the RECAP guidance document used to establish this ranking include:

- Shallow contaminated soils are not present in significant quantities.
- Potential for human contact with soils and groundwater is minimal as the site is unoccupied, paved with concrete and gated to keep site access limited.
- The affected groundwater is not potable and has no existing local uses.

6.2 Data Evaluation/Usability

EPH constituents were reported below the laboratory reporting limit with elevated reporting limits above the screening standards in groundwater samples TW-4, TW-6, TW-9, TW-10, TW-11, TW-12, TW-13, TW-14, TW-17, TW-18 and TW-20. The elevated reporting limits in these samples were caused by the dilution of the samples due to the levels of sediment present in the sample. The laboratory reporting limits for EPH constituents in the remainder of the groundwater samples were below the RECAP screening standards. Samples for SVOC analysis were analyzed by Pace National. The detections of dinoseb and 1,3-dinitrobenze in soil and detections of hexachlorobutadiene in groundwater were reported below the laboratory reporting limits, however, the laboratory reporting limits do not meet RECAP SS. Pace National's reporting limits for these constituents cannot meet the RECAP SS, however, Pace National's method detection limits do, and the concentrations were detected below the method detection limit. The reporting limits for the remainder of the SVOC parameters meet RECAP SS. Based on review of the reported results and field observations, the analytical reported data should be acceptable for RECAP Evaluation. Additionally, these COC are eliminated from further evaluation. The analytical data summaries are provided as RECAP Form 3 located in Appendix E.

6.3 Identification of the Area of Investigation

To identify the AOI and constituents of concern (COC) for further evaluation, the maximum concentration detected for each constituent in soil and groundwater was compared to the limiting Screening Standard (LSS). A summary of COC and comparison to the LSS is in RECAP Form 10 and 15 in Appendix E. The following AOI was identified:

- Chromium AOI: Chromium was detected in soil sample B-13 (0-2) at a concentration above RECAP screening standards.
- Thallium AOI: Thallium was detected in soil sample B-17 (0-2) at a concentration above RECAP screening standards.
- Groundwater AOI: The groundwater analytical data generated during the assessment activities revealed concentrations of dissolved arsenic above RECAP screening standards site wide. Several SVOC constituents were detected in numerous temporary wells at concentrations above RECAP SS.

The AOIs are depicted in Exhibits 9,10, and 11 of Appendix A.

6.4 Management Option-1 Evaluation

COCs exceeding the LSS were further evaluated under MO-1 RECAP 2003, Appendix H, for groundwater. RECAP MO-1 was used to evaluate groundwater at the subject site for the purpose of developing Limiting RECAP Standards (LRS) for groundwater to determine if corrective action is necessary for the protection of human health and the environment.

6.4.1 Identification of the LRS for Surface Soil (<15ft bgs)

Chromium and thallium were identified as COCs in the surface soil as exceeding the LSS. The listed COCs were evaluated under MO-1 with RECAP Form 11, *Management Option 1 Submittal for Soil 0-15 ft bgs,* summarizing the MO-1 evaluation for surface soil. The surface soil LRS was calculated using the guidelines presented in Section H.1.1.2.1 of the RECAP document, as follows:

1. The SoilNi was identified for each COC from RECAP Table 2. An additivity advisor was determined to not be applicable
2. The $Soil_{GW3DW}$ was identified for each COC from RECAP Table 2. A dilution factor was not applicable.
3. The $Soil_{sat}$ value was not applicable for each COC.
4. The lowest value was selected as the LRS for surface soil.

Following the evaluation of the surface soil LRS, the Area of Investigation Concentration (AOIC) for each COC was compared to the surface soil LRS. The AOIC for each COC was determined to be less than the surface soil LRS. A copy of RECAP Form 11 is presented in Appendix E.

6.4.2 Identification of the LRS for Groundwater

Arsenic and SVOC constituents were identified as a COC in groundwater, as exceeding the LSS. The listed COCs were evaluated under MO-1 with RECAP Form 16, *Management Option 1 Submittal for Groundwater,* summarizing the MO-1 evaluation for groundwater. The groundwater LRS was calculated using the guidelines presented in Section H.1.2.2.3 of the RECAP document, as follows:

1. The GW_{3DW} value was identified for each COC from RECAP Table 3.
2. A site specific DF3 was calculated based on the distance between the POE and POC, and the assumed groundwater source thickness (S_d). The POE for the subject site is the Mississippi River, located approximately 500 feet north from the AOI. The S_d was determined to be between 6 and 10 ft based on the boring logs. The DF3 was determined to be 15 (dimensionless).

3. The final GW_{3DW} was calculated as the product of GW_{3DW} and the DF3.
4. The $Water_{sol}$ value was identified for the applicable COC.
5. The GW_{es} value was identified for the applicable COC.
6. The GW_{air} value was identified for the applicable COC.
7. The lowest value was selected as the LRS for groundwater.

Following the evaluation of the groundwater LRS, the compliance concentration (CC) for each COC was compared to the groundwater LRS. The CC for each COC was determined to be less than the groundwater LRS, with the exception of chrysene. A copy of RECAP Form 16 is included in Appendix E.

6.4.3 Enclosed Space Evaluation

Although the current on-site structures are dilapidated and vacant, potential redevelopment plans may include enclosed space structures. As volatile constituents were detected in soil and groundwater, to reduce site use limitations, the enclosed space pathway was evaluated to determine the potential for vapor intrusion. All volatile constituents detected in soil and groundwater from all boring locations that were eliminated at the SO were included in the enclosed space evaluation.

RECAP Forms 11 and 16 summarize the enclosed space evaluation for soil and groundwater and are presented in Appendix D. The Enclosed Space-LRS was calculated as follows:

Soil:

1. The $Soil_{esni}$ value was identified for each COC from RECAP Table 2.
2. An additivity advisor was identified for each COC, if applicable. Additivity calculations are included in Appendix E.
3. The final $Soil_{esni}$ value was calculated by dividing the identified $Soil_{es}$ by the additivity advisor.

Following the evaluation of the enclosed space LRS (ES-LRS) for soil, the area of investigation concentration (AOIC) for each COC was compared to the ES-LRS. The AOIC for each COC were determined to be less than the ES-LRS in soil.

Groundwater:

1. The GW_{esni} value was identified for each COC from RECAP Table 3.
2. An additivity advisor was identified for each COC, if applicable. Additivity calculations are included in Appendix E.

3. The final GW_{esni} value was calculated by dividing the identified GW_{esni} by the additivity advisor.

Following the evaluation of the ES LRS for groundwater, the CC for each COC was compared to the ES LRS. The CC for each COC was determined to be less than the ES LRS for groundwater.

7.0 FINDINGS

Terracon conducted a Phase II ESA in accordance with the EPA approved QAPP dated July 23, 2023, RECAP Appendix B and VRP regulations. As per the EPA approved QAPP, 20 soil borings were advanced at the site for the collection of soil samples and converted to temporary wells for the collection of groundwater samples in September 2023. The findings of this site investigation are as follows:

- The site was previously operated by the Johns-Manville property from 1950 to 1985. Site operations included the manufacturing of building products containing asbestos. The site is currently unoccupied, and no active sources are located on-site. The release is assumed to be from historic operations.
- Soils encountered during the site investigation can be described as clay and silty clays.
- Although the site land use is currently and will potentially continue to be industrial, non-industrial use was applied as there are residential properties adjacent to the site.
- Free product was not observed in any of the borings during the site investigation.
- Groundwater was encountered at depths ranging from 7 to 12 feet bgs. Based groundwater classification data from a nearby site, groundwater can be classified as Groundwater 3. As the closest surface water body is the Mississippi River, a drinking water source, groundwater can be further classified as Groundwater 3 Drinking Water.
- Based on survey elevations, groundwater flows predominantly towards the east and northeast.
- Asbestos fibers were identified in the top four feet of soil throughout the site.
- COC were detected in the soil. Of the concentrations detected, chromium and thallium exceeded the RECAP SS. These constituents were further evaluated under MO-1. The MO-1 evaluation indicated that that the detections were below the MO-1 LRS.
- COC were detected in groundwater above the RECAP SS. Arsenic and SVOC constituents were further evaluated under Management Option-1 (MO-1). The MO-1 evaluation indicated the SVOC constituent chrysene was detected

above the MO-1 LRS. The remaining COC were detected below the MO-1 LRS.

- All volatile constituents detected in soil and groundwater were detected at concentrations below the ES LRS.

8.0 CONCLUSION AND RECOMMENDATIONS

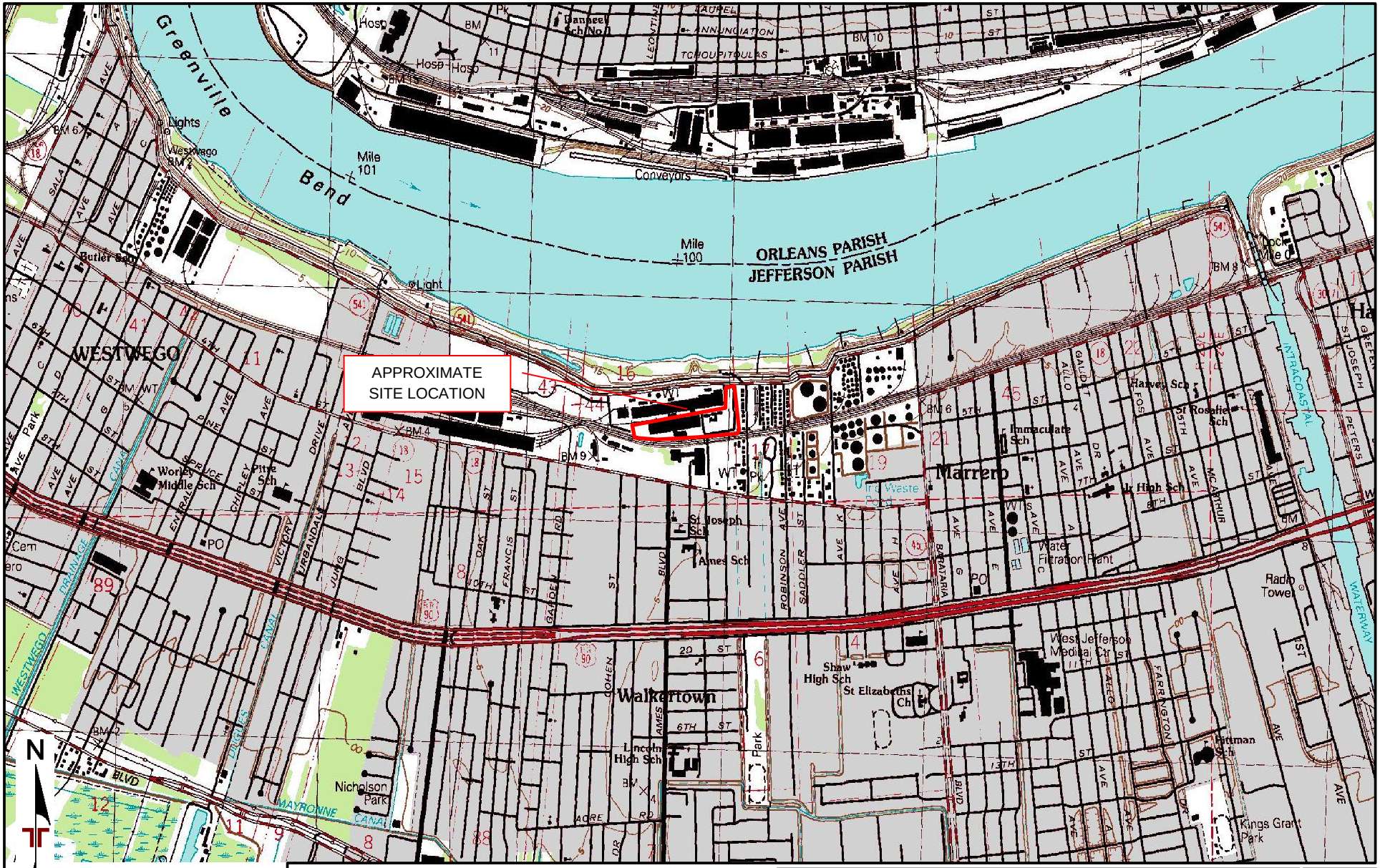
Based on the findings of this site investigation and RECAP Evaluation, Terracon concludes the following:

- Asbestos fibers are present in the near surface soil (0-4 ft bgs) across much of the site.
- Chrysene is present in groundwater at concentrations above the MO-1 LRS. The remaining COC identified are present below limiting standards.
- COC detected in soil are below limiting standards.
- The enclosed structure pathway was evaluated as part of the RECAP evaluation. The enclosed structure evaluation indicates that the potential for vapor intrusion does not exist.

Based on the findings, Terracon recommends the following:

- In accordance with statutory and regulatory requirements, the exceedances are required to be reported to LDEQ.
- Corrective action to manage asbestos fibers in soil and chrysene in groundwater.
- As asbestos fibers are present throughout much of the site, it is recommended that site closure be obtained through LDEQ's Voluntary Remediation Program.

Appendix A
Exhibits



TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY QUADRANGLES INCLUDE: NEW ORLEANS WEST, LA (1/1/1998) and NEW ORLEANS EAST, LA (1/1/1998).

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Manager:	DMD
Drawn by:	DMD
Checked by:	ZLD
Approved by:	SW

Project No.	ET237079
Scale:	1"=2,000'
File Name:	Exhibits
Date:	MAR 2023

Terracon

524 Elmwood Park Blvd Ste 170
New Orleans, LA 70123-6814

TOPOGRAPHIC MAP

Parcels JM3 and JM5

6001 River Road
Marrero, LA

Exhibit

1

RIVER ROAD

RIVER ROAD

MARRERO ROAD

PIPE LAYDOWN YARD

FORMER JOHNS MANVILLE ASBESTOS SHINGLE FACTORY

RESIDENTIAL

RAIL ROAD

VACANT LAND

FORMER JOHNS MANVILLE ASBESTOS FLOOR TILE FACTORY

RESIDENTIAL

N

0 200

Approximate Scale (Feet)

LEGEND

SITE

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD

Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-2
Date:	NOV. 2023

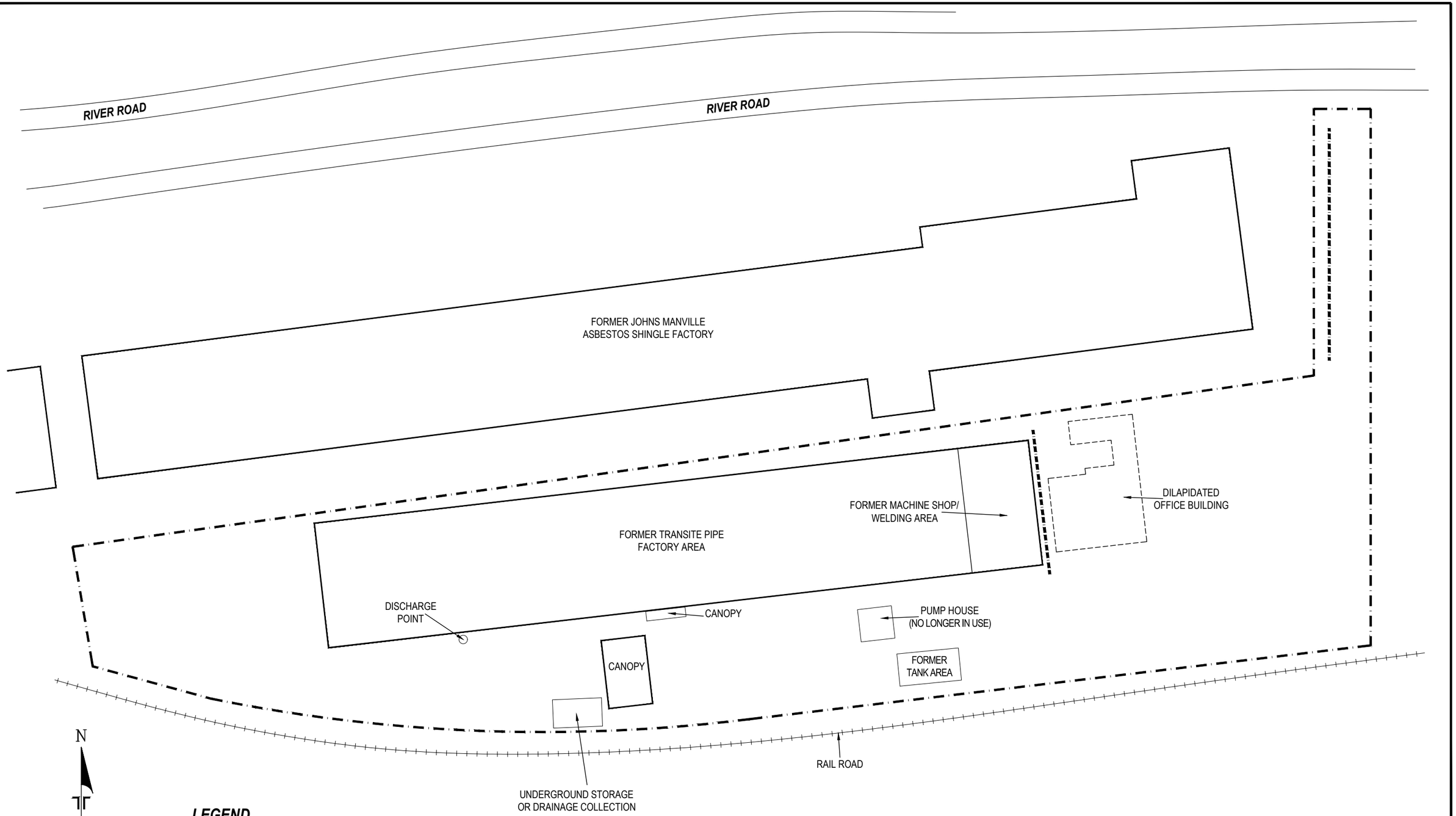
Terracon
2105 Newpoint Place, Ste. 600 Lawrenceville, GA 30043
(770) 623-0755 (770) 623-9628

SITE VICINITY MAP

SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT

2



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Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD
Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-3
Date:	NOV. 2023

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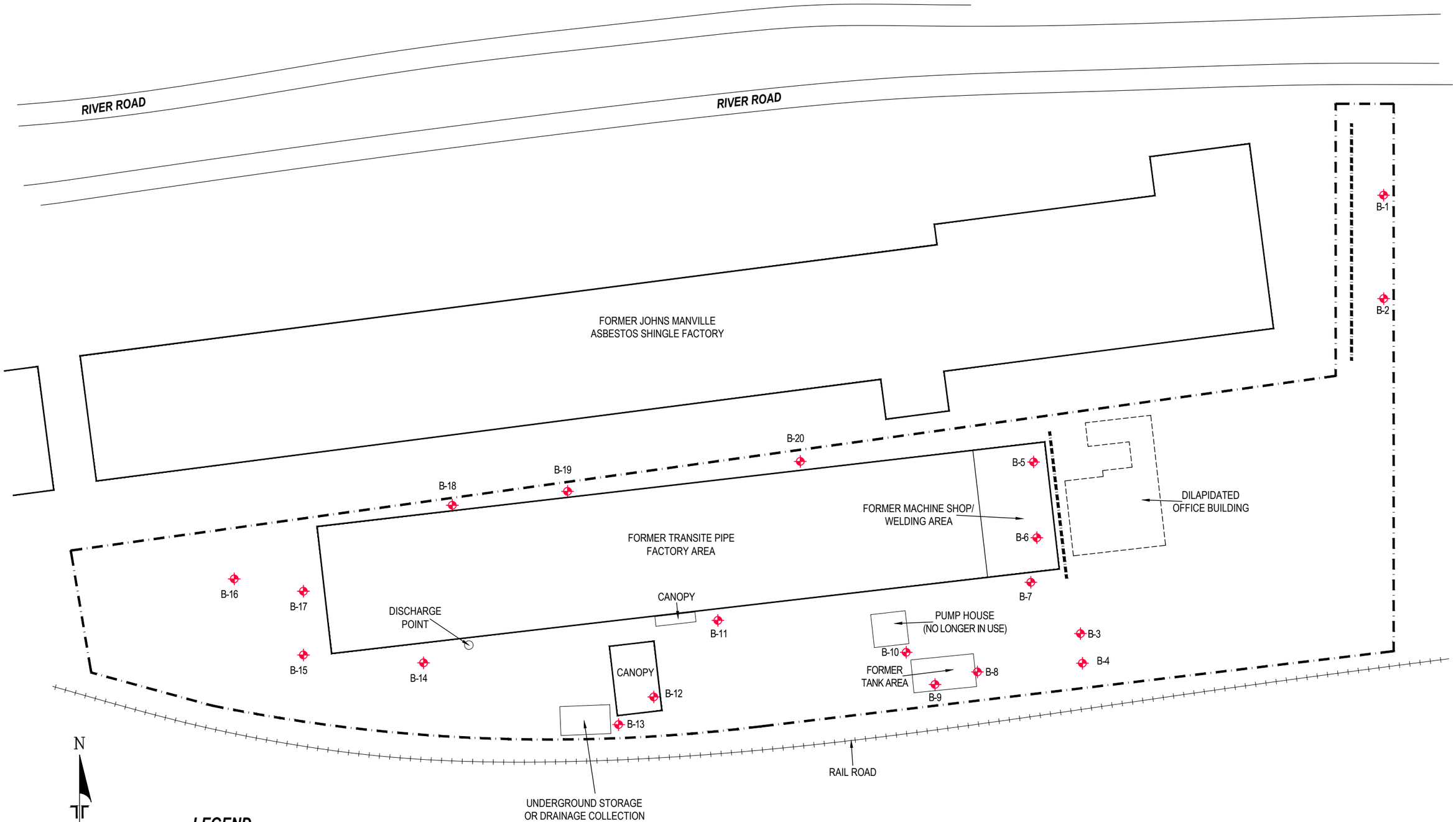
SITE LAYOUT
SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT
3



LEGEND

SITE

DRAINAGE DITCH

APPROXIMATE BORING / TEMPORARY WELL LOCATION

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD

Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-4
Date:	NOV. 2023

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BORING LOCATION DIAGRAM

SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT

4

RIVER ROAD

RIVER ROAD

FORMER JOHNS MANVILLE
ASBESTOS SHINGLE FACTORY

B-1

A

B-2

A'

B-20

B-19

B-18

B-5

DILAPIDATED
OFFICE BUILDING

FORMER MACHINE SHOP/
WELDING AREA

FORMER TRANSITE PIPE
FACTORY AREA

B-6

B

B-16

B-17

B-7

CANOPY

DISCHARGE
POINT

B-11

PUMP HOUSE
(NO LONGER IN USE)

B'

B-10

B-3

B-4

B-15

B-14

CANOPY

B-12

FORMER
TANK AREA

B-8

B-9

B-13

RAIL ROAD

UNDERGROUND STORAGE
OR DRAINAGE COLLECTION

N

0 120

Approximate Scale
(Feet)

LEGEND

SITE

DRAINAGE DITCH

APPROXIMATE BORING / TEMPORARY WELL LOCATION

A A' APPROXIMATE CROSS SECTION LOCATION

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD
Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-5
Date:	NOV. 2023

Terracon
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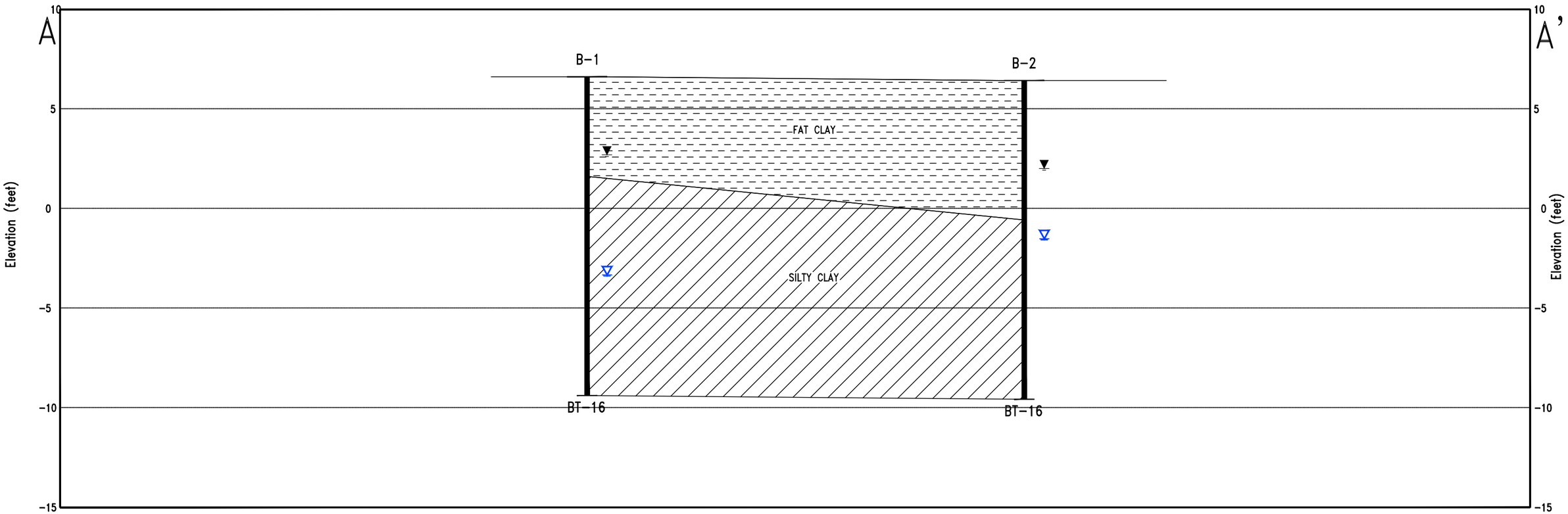
CROSS SECTION LOCATION DIAGRAM

SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT

5



5
0 30
Approximate Scale
(Feet)

Explanation

B-6 — Borehole Number

12 — N-Value

Rock Core
REC = Recovery
RQD = Rock Quality Designation

Borehole Termination Type

AR Auger Refusal Terminated
BT Boring Terminated
CT Coring Terminated

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

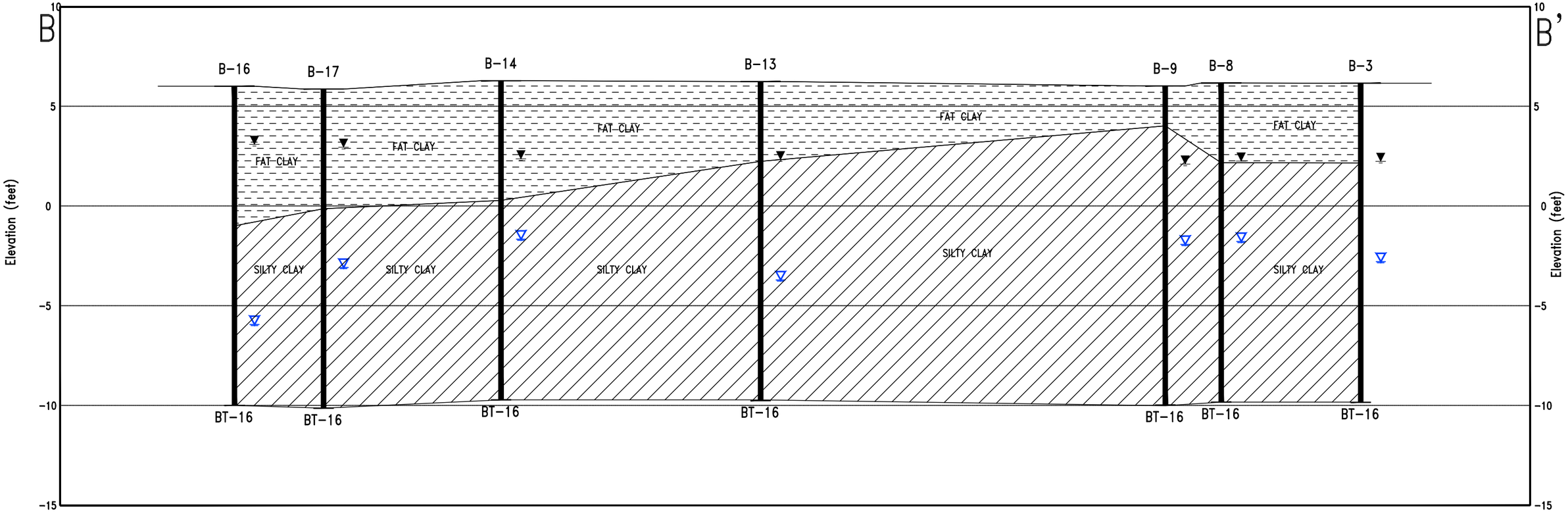
Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD

Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-6.1
Date:	NOV. 2023

Terracon
524 Elmwood Park Blvd.,Ste. 170 New Orleans, LA 70123
(504) 818-3638 (504) 818-3890

CROSS SECTION A-A'
SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT
6.1



5
0 100
Approximate Scale
(Feet)

Explanation

- B-6 — Borehole Number
- 12 — N-Value
- Rock Core
  - REC = Recovery
  - RQD = Rock Quality Designation
- Borehole Termination Type
  - AR — Auger Refusal Terminated
  - BT — Boring Terminated
  - CT — Coring Terminated

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD
Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-6.2
Date:	NOV. 2023

Terracon
524 Elmwood Park Blvd.,Ste. 170 New Orleans, LA 70123
(504) 818-3638 (504) 818-3890

CROSS SECTION B-B"
SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT
6.2

RIVER ROAD

RIVER ROAD

FORMER JOHNS MANVILLE
ASBESTOS SHINGLE FACTORY

(2.516)
B-1

(1.986)
B-2

B-20
(1.73)

B-19
(1.778)

B-18
(2.845)

B-5
(1.65)

FORMER MACHINE SHOP/
WELDING AREA

DILAPIDATED
OFFICE BUILDING

FORMER TRANSITE PIPE
FACTORY AREA

B-6
(1.99)

B-7 (1.8)

(3.532)
B-16

(3.26)
B-17

DISCHARGE
POINT

CANOPY

(2.116)
B-11

PUMP HOUSE
(NO LONGER IN USE)

(1.88)
B-3

B-10 (2.225)

(1.915)
B-8

FORMER
TANK AREA

B-4
(2.295)

B-9 (2.205)

(3.368)
B-15

B-14 (2.368)

CANOPY

B-12
(2.929)

B-13 (2.231)

2

2.4

2.8

3.2

2.4

2

UNDERGROUND STORAGE
OR DRAINAGE COLLECTION

RAIL ROAD

N

0 120

Approximate Scale
(Feet)

LEGEND

- SITE
- DRAINAGE DITCH
- (2.368) APPROXIMATE BORING / TEMPORARY WELL LOCATION
- 2 GROUNDWATER ELEVATION, IN FEET
- GROUNDWATER CONTOUR, IN FEET
- SURFICIAL WATER FLOW DIRECTION

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Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD

Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-7
Date:	NOV. 2023

Terracon
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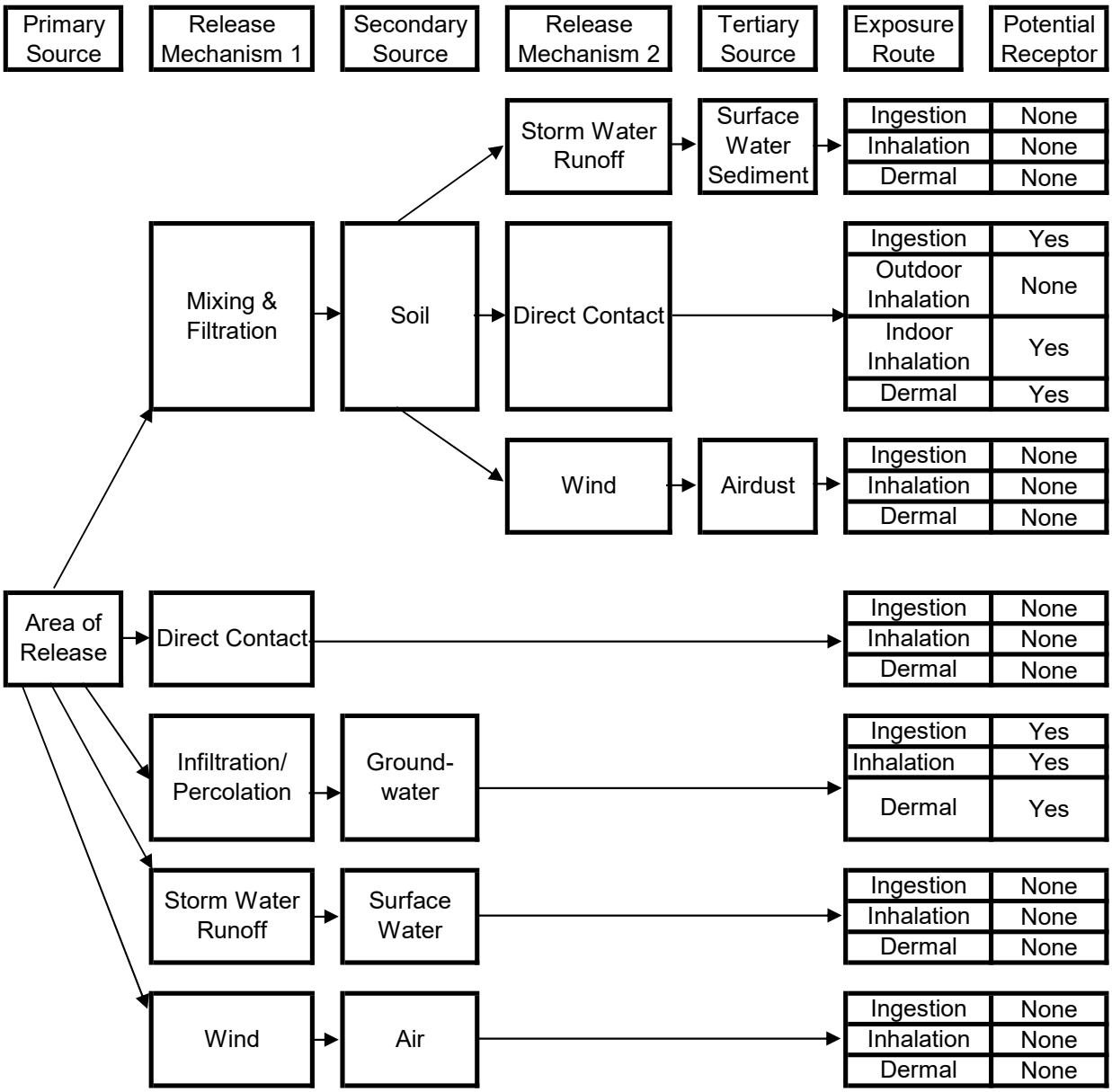
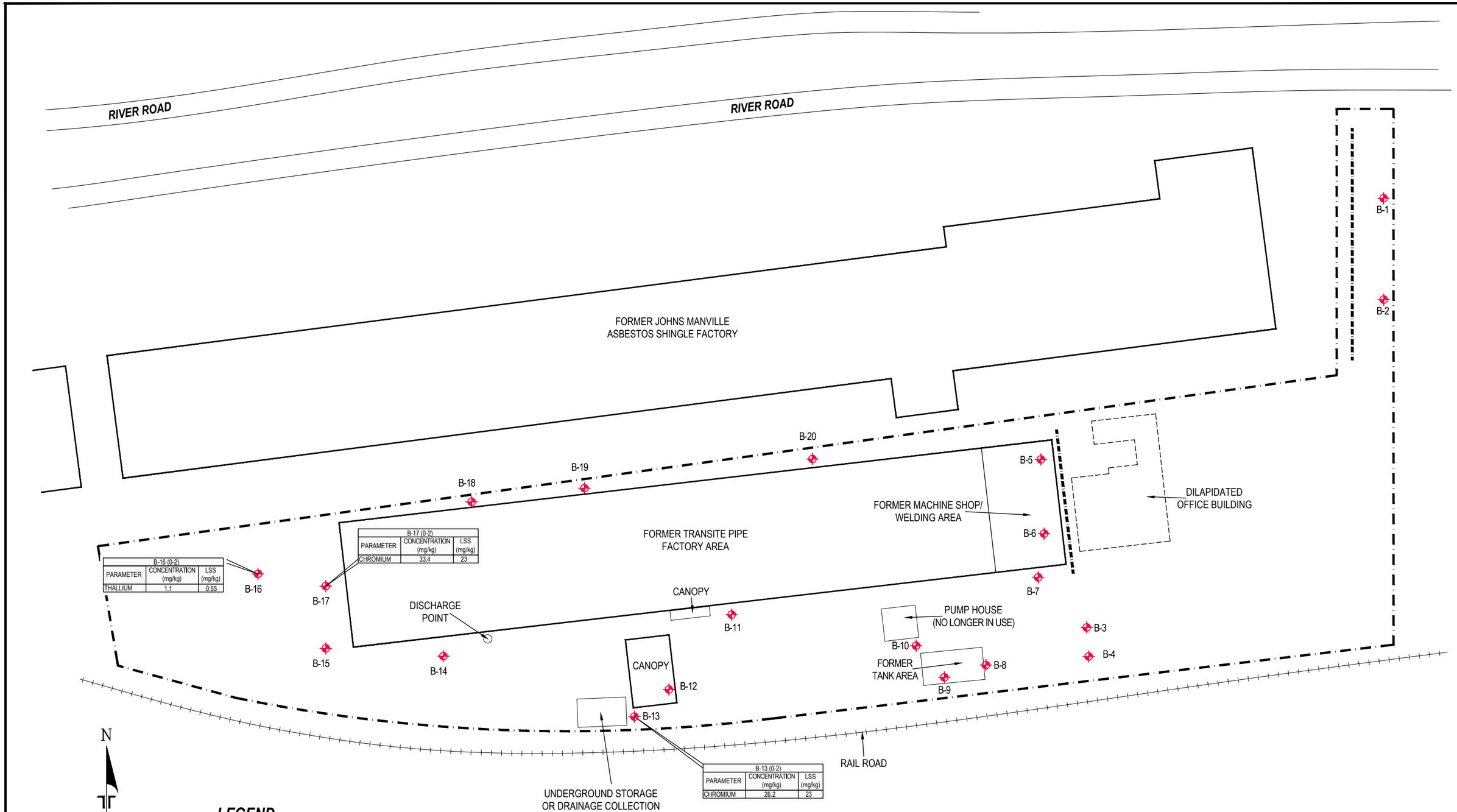
(770) 623-0755 (770) 623-9628

POTENTIOMETRIC
SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT
7

Exhibit 8
Conceptual Site Model





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Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD

Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-9
Date:	NOV. 2023

Terracon
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(770) 623-0755 (770) 623-9628

SURFACE SOIL LSS EXCEEDANCES

SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT 9

RIVER ROAD

RIVER ROAD

FORMER JOHNS MANVILLE
ASBESTOS SHINGLE FACTORY

TW-1		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.042	0.01

B-1

TW-2		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.082	0.01
PENTACHLOROPHENOL	0.00389	0.001

B-2

TW-19		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.024	0.01

TW-20		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.026	0.01
BENZO(A)PYRENE	0.000566	0.0002
CHRYSENE	0.00226	0.0016
2-METHYLNAPHTHALENE	0.00981	0.00062
PENTACHLOROPHENOL	0.00294	0.001

TW-5		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.067	0.01

TW-18		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.019	0.01

B-18

B-19

B-20

B-5

TW-16		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.13	0.01
2-METHYLNAPHTHALENE	0.00247	0.00062

B-16

B-17

FORMER MACHINE SHOP/
WELDING AREA

DILAPIDATED
OFFICE BUILDING

FORMER TRANSITE PIPE
FACTORY AREA

TW-12		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.13	0.01
2-METHYLNAPHTHALENE	0.00502	0.00062

TW-10		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.059	0.01

B-6

TW-6		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.093	0.01

B-7

TW-7		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.065	0.01

CANOPY

DISCHARGE
POINT

B-11

PUMP HOUSE
(NO LONGER IN USE)

B-3

TW-3		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.086	0.01

B-10

B-4

TW-15		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.036	0.01

B-15

B-14

CANOPY

B-12

FORMER
TANK AREA

B-8

B-9

TW-4		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.11	0.01

RAIL ROAD

TW-14		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.023	0.01

B-13

TW-8		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.23	0.01

TW-11		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.078	0.01

TW-9		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.13	0.01

UNDERGROUND STORAGE
OR DRAINAGE COLLECTION

TW-13		
PARAMETER	CONCENTRATION (mg/L)	LSS (mg/L)
DISSOLVED ARSENIC	0.078	0.01
2-METHYLNAPHTHALENE	0.0258	0.00062
NAPHTHALENE	0.049	0.01

N

0 120

Approximate Scale
(Feet)

LEGEND

SITE

DRAINAGE DITCH

APPROXIMATE BORING / TEMPORARY WELL LOCATION

THIS DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

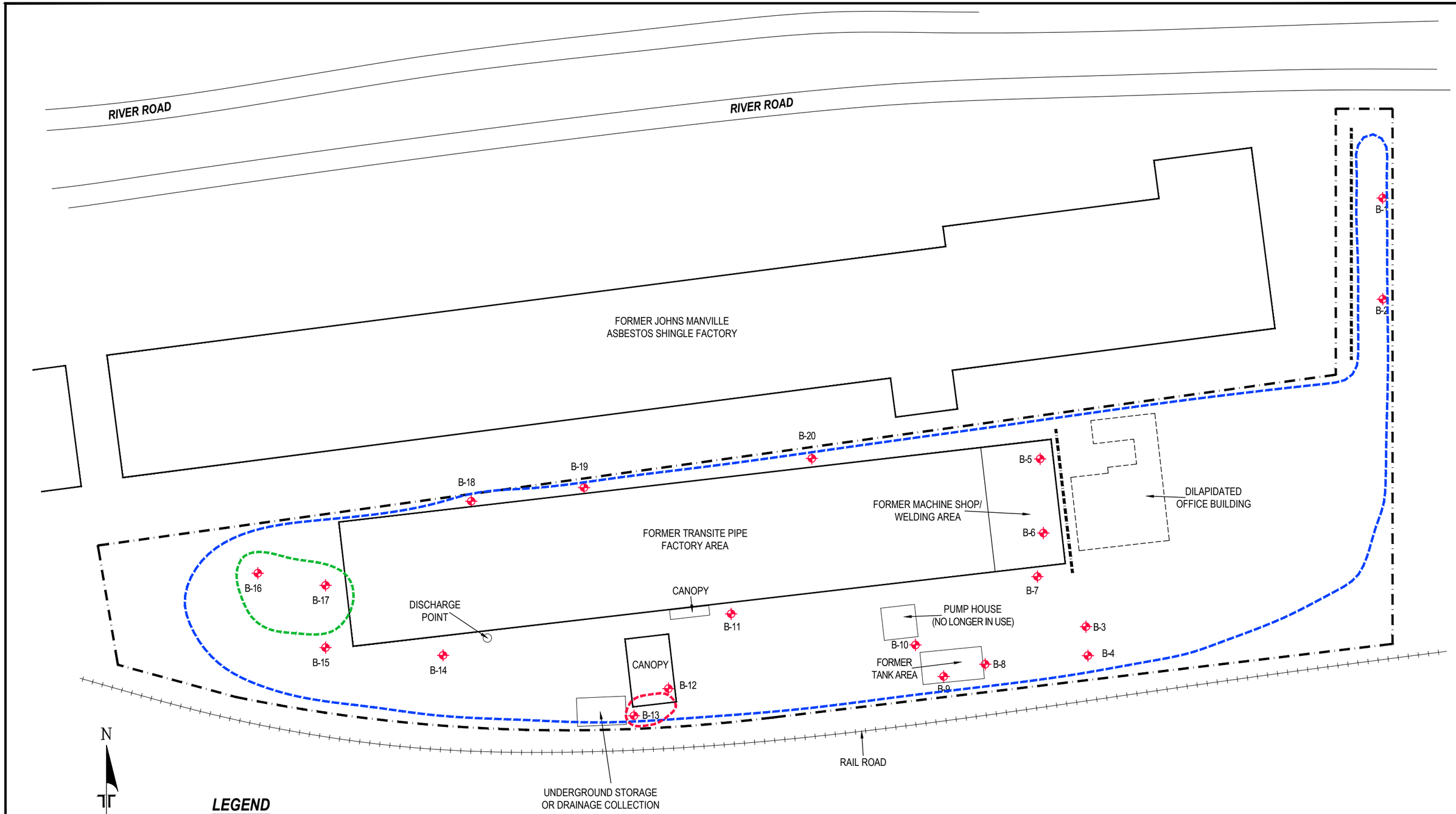
Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD
Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-10
Date:	NOV. 2023

Terracon
2105 Newpoint Place, Ste. 600 Lawrenceville, GA 30043
(770) 623-0755 (770) 623-9628

GROUNDWATER LSS EXCEEDANCES

SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT 10



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Project Mngr:	DD
Drawn By:	RLW
Checked By:	DD/MRF
Approved By:	DD
Project No.	ET237079
Scale:	AS SHOWN
File No.	ET237079-11
Date:	NOV. 2023

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AOI DIAGRAM
SITE INVESTIGATION
JM3-JM5 PARCELS
6001 RIVER ROAD
MARRERO, LA

EXHIBIT
11

Appendix B
Soil Boring Logs & Field Sampling Forms

WELL LOG NO. B-1

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.903330° Longitude: -90.110400°

Surface Elev.: 6.616 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6.3
	FILL - FAT CLAY (CH), gray, medium stiff	
5.0		1.6
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.4
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	75	0.0
		0.1
5	85	0.0
		0.0
	100	0.0
10		
		0.0
	100	0.0
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes:
Samples sent to lab: B-1 (0-2), (2-4), (7-9), (14-16). TW-1 sampled at 9:15 on 9/18/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-15-2023 | Well Completed: 09-15-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-1

WELL LOG NO. B-2

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901600° Longitude: -90.113400°

Surface Elev.: 6.429 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6.1
	FILL - FAT CLAY (CH), gray, medium stiff	
7.0		-0.6
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.6
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			50	2.2
				2.2
5			95	0.1
				0.0
			100	0.0
10				0.0
			100	0.0
15				0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-2 (0-2), (3-5), (5-7), and (14-16). TW-2 sampled at 10:07 on 9/18/23.

WATER LEVEL OBSERVATIONS

- *Groundwater first encountered in soil*
- *Groundwater rise after 24 hours*

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-15-2023	Well Completed: 09-15-2023
Drill Rig: Geoprobe	Driller: Walker Hill
Project No.: ET237079	Exhibit: B-2

WELL LOG NO. B-3

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901720° Longitude: -90.114330°

Surface Elev.: 6.168 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.9
	FILL - FAT CLAY (CH), gray, soft to medium stiff	
4.0		2.2
	SILTY CLAY (CL-ML), gray, medium stiff	
6.0		0.2
	SILTY CLAY (CL-ML), gray, soft	
16.0		-9.8
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	25	0.0
		0.8
5	60	0.5
		0.2
	90	0.6
10		0.6
	100	0.1
15		0.1

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-3 (0-4), (7-9), and (14-16). TW-3 sampled at 10:59 on 9/18/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-12-2023 | Well Completed: 09-12-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-3

WELL LOG NO. B-4

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901750° Longitude: -90.114810°

Surface Elev.: 6.168 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.9
	FILL - FAT CLAY (CH), gray, soft to medium stiff	
4.0		2.2
	SILTY CLAY (CL-ML), gray, medium stiff	
8.0		-1.8
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.8
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	85	1.8
		0.5
5	85	0.1
		0.8
	100	0.4
10		0.0
	75	0.0
15		0.3

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes:
Samples sent to lab: B-4 (0-2), (2-4), (6-8), and (14-16). TW-4 sampled at 12:07 on 9/18/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-12-2023 | Well Completed: 09-12-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-4

WELL LOG NO. B-5

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.902010° Longitude: -90.115080°

Surface Elev.: 6.232 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.9
	FILL - FAT CLAY (CH), gray, medium stiff	
4.0		2.2
	SILTY CLAY (CL-ML), gray, very soft to soft	
	SILTY CLAY (CL-ML), gray, very soft	
8.0		-1.8
	SILTY CLAY (CL-ML), gray, very soft	
15.0		-8.8
	SANDY SILT (CL-ML), gray, very soft to soft	
16.0		-9.8
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	50	2.4
		1.6
5	70	1.0
		0.2
	100	0.1
10		0.1
	100	0.0
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-5 (2-4), (5-7), (7-9), and (14-16). TW-5 sampled at 12:48 on 9/18/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-11-2023 | Well Completed: 09-11-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-5

WELL LOG NO. B-6

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901970° Longitude: -90.114810°

Surface Elev.: 6.06 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.8
	FILL - FAT CLAY (CH), gray, medium stiff	
6.0		0.1
	SILTY CLAY (CL-ML), gray, soft	
15.0		-8.9
	SILTY CLAY (CL-ML), with sand, gray, very soft to soft	
16.0		-9.9
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	25	0.6
		0.3
5	70	0.0
		0.0
	65	0.0
10		
		0.0
	100	0.0
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes:
Samples sent to lab: B-6 (2-4), (9-11), (14-16), and (14-16 DUP). TW-6 sampled at 12:48 on 9/18/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-11-2023 | Well Completed: 09-11-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-6

WELL LOG NO. B-7

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.902280° Longitude: -90.114220°

Surface Elev.: 6.145 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.8
	FILL - FAT CLAY (CH), gray, soft to medium stiff	
4.0		2.1
	SILTY CLAY (CL-ML), gray, soft	
8.0		-1.9
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.9
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			80	0.5
				0.3
5	▽		50	0.9
				0.5
	▽		90	0.3
10				0.2
			100	0.0
15				0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes:
Samples sent to lab: B-7 (4-6 MS/ MSD), (7-9), and (14-16). TW-7 sampled at 14:34 on 9/18/23.

WATER LEVEL OBSERVATIONS

▽ *Groundwater first encountered in soil*

▽ *Groundwater rise after 24 hours*

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-12-2023 | Well Completed: 09-12-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-7

WELL LOG NO. B-8

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.902330° Longitude: -90.113760°

Surface Elev.: 6.178 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.9
	FILL - FAT CLAY (CH), gray, medium stiff	
4.0		2.2
	SILTY CLAY (CL-ML), gray, very soft to soft	
16.0		-9.8
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			50	1.1
				0.3
5			40	0.1
				0.0
			80	0.0
10				0.0
			90	0.0
15				0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-8 (0-2), (4-6), (6-8), and (14-16). TW-8 sampled at 15:31 on 9/18/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-12-2023 | Well Completed: 09-12-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-8

WELL LOG NO. B-9

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.902440° Longitude: -90.112820°

Surface Elev.: 6.03 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.7
	FILL - FAT CLAY (CH), gray, medium stiff	
2.0		4
	SILTY CLAY (CL-ML), gray, soft	
16.0		-10
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	70	0.5
		0.3
5	85	0.3
		0.0
	55	0.2
10		0.2
	100	0.2
15		0.2

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-9 (0-2), (5-7), and (14-16). TW-9 sampled at 9:07 on 9/19/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-13-2023 | Well Completed: 09-13-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-9

WELL LOG NO. B-10

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.902980° Longitude: -90.110390°

Surface Elev.: 6.586 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6.3
	FILL - FAT CLAY (CH), gray, medium stiff	
6.0		0.6
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.4
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	50	4.5
		3.5
5	95	0.2
		0.1
	100	0.2
10		0.1
	100	0.0
15		0.2

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-10 (0-2), (2-4), (5-7), (14-16). TW-10 sampled at 9:35 on 9/19/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-13-2023 | Well Completed: 09-13-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-10

WELL LOG NO. B-11

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901820° Longitude: -90.111960°

Surface Elev.: 6.18 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.9
	FILL - FAT CLAY (CH), gray, medium stiff	
4.0		2.2
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.8
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	60	1.9
		0.4
5	60	0.2
		0.0
	80	0.0
10		0.0
	100	0.0
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes:
Samples sent to lab: B-11 (0-2), (5-7), and (14-16). TW-11 sampled at 10:30 on 9/19/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-13-2023 | Well Completed: 09-13-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-11

WELL LOG NO. B-12

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901700° Longitude: -90.111920°

Surface Elev.: 6.295 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6
	FILL - FAT CLAY (CH), gray, medium stiff	
4.0		2.3
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.7
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	95	0.1
		0.0
5	100	0.0
		0.0
	50	0.0
10		0.0
	70	0.0
15		0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-12 (0-2), (2-4), (5-7), and (14-16). TW-12 sampled at 11:16 on 9/19/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-13-2023 | Well Completed: 09-13-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-12

WELL LOG NO. B-13

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.902390° Longitude: -90.112150°

Surface Elev.: 6.25 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6
	FILL - FAT CLAY (CH), dark gray, medium stiff	
4.0		2.3
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.8
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	60	1.5
		2.6
5	80	0.5
		0.0
	100	0.0
10		0.0
	50	0.0
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab : B-13 (0-2), (2-4), (7-9), and (14-16). TW-13 sampled at 12:05 on 9/19/23.

WATER LEVEL OBSERVATIONS

- *Groundwater first encountered in soil*
- *Groundwater rise after 24 hours*

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-13-2023 | Well Completed: 09-13-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-13

WELL LOG NO. B-14

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.902100° Longitude: -90.112110°

Surface Elev.: 6.29 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6
	FILL - FAT CLAY (CH), gray, medium stiff	
6.0		0.3
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.7
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	90	0.6
		0.0
5	95	0.1
		0.1
	100	0.1
10		0.0
	10	0.0
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-14 (0-2), (DUP 0-2), (5-7, MS/MSD), (14-16). TW-14 sampled at 12:57 on 9/19/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-14-2023 | Well Completed: 09-14-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-14

WELL LOG NO. B-15

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901970° Longitude: -90.112130°

Surface Elev.: 6.3 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6
	FILL - FAT CLAY (CH), gray, medium stiff	
6.0		0.3
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.7
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	85	0.0
		0.0
5	60	0.0
	100	0.0
10		0.0
	100	0.0
15		0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes:
Samples sent to lab: B-15 (0-2), (2-4), (6-8), and (14-16). TW-15 sampled at 14:16 on 9/19/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-14-2023 | Well Completed: 09-14-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-15

WELL LOG NO. B-16

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901660° Longitude: -90.112580°

Surface Elev.: 6.015 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.7
	FILL - FAT CLAY (CH), gray, medium stiff	
7.0		-1
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-10
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	70	0.0
		0.0
5	100	0.0
		0.0
	80	0.0
10		0.0
	100	0.0
15		0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab : B-16 (0-2) , (2-4), (9-11), and (14-16). TW-16 sampled at 14:58 on 9/19/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-14-2023 | Well Completed: 09-14-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-16

WELL LOG NO. B-17

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901660° Longitude: -90.112650°

Surface Elev.: 5.905 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.6
	FILL - FAT CLAY (CH), gray, medium stiff	
6.0		-0.1
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-10.1
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	WATER LEVEL OBSERVATIONS	SAMPLE TYPE	RECOVERY (%)	OVA/PID (ppm)
			50	1.0
				0.0
5			90	0.0
				0.0
			100	0.0
10				0.0
			100	0.0
15				0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-17 (0-2), (6-8), and (14-16). TW-17 sampled at 8:51 on 9/20/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-14-2023 | Well Completed: 09-14-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-17

WELL LOG NO. B-18

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901660° Longitude: -90.112730°

Surface Elev.: 5.925 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.6
1.0	**FILL - AGGREGATE BASE COURSE**, brick	4.9
	FILL - FAT CLAY (CH), gray, medium stiff	
6.0		-0.1
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-10.1
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	80	0.0
		0.0
5	100	0.0
		0.0
	100	0.0
10		
		0.0
	100	0.0
15		0.0

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-18 (0-2), (2-4), (4-6), and (14-16). TW-18 sampled at 9:33 on 9/20/23.

WATER LEVEL OBSERVATIONS

Groundwater first encountered in soil

Groundwater rise after 24 hours

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-15-2023 | Well Completed: 09-15-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-18

WELL LOG NO. B-19

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901870° Longitude: -90.113150°

Surface Elev.: 6.316 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	6
1.0	**FILL - AGGREGATE BASE COURSE**	5.3
	FILL - FAT CLAY (CH), gray, medium stiff	
4.0		2.3
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-9.7
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	85	3.1
		0.2
5	90	0.0
		0.0
	100	0.0
10		0.1
	100	0.1
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes:
Samples sent to lab: B-19 (0-4), (DUP 0-4), (5-7 MS/MSD), (14-16). TW-19 sampled at 10:48 on 9/20/23.

WATER LEVEL OBSERVATIONS

- *Groundwater first encountered in soil*
- *Groundwater rise after 24 hours*

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-15-2023	Well Completed: 09-15-2023
Drill Rig: Geoprobe	Driller: Walker Hill
Project No.: ET237079	Exhibit: B-19

WELL LOG NO. B-20

PROJECT: JM3-JM5 Parcels

CLIENT: JEDCO
Avondale, LA

SITE: 6001 River Rd
Marrero, LA

LOCATION See Exhibit 4

Latitude: 29.901520° Longitude: -90.113540°

Surface Elev.: 5.931 (Ft.)

DEPTH	MATERIAL DESCRIPTION	ELEVATION (Ft.)
0.3	**CONCRETE**	5.6
	FILL - FAT CLAY (CH), gray, medium stiff	
4.0		1.9
	SILTY CLAY (CL-ML), gray, very soft	
16.0		-10.1
	Boring Terminated at 16 Feet	

INSTALLATION DETAILS

Well Completion: Temporary Well

Sand at 1' BGS, Bentonite at GS

Riser: 1" SCH 40 PVC

Screen: 1" SCH 40 PVC with 0.01" Slots

DEPTH (ft)	RECOVERY (%)	OVA/PID (ppm)
	80	0.0
		0.0
5	75	0.0
		0.0
	75	0.0
10		0.0
	100	0.0
15		0.0

WATER LEVEL OBSERVATIONS

SAMPLE TYPE

The stratification lines represent the approximate transition between differing soil types and/or rock types; in-situ these transitions may be gradual or may occur at different depths than shown.

Advancement Method:
Direct Push 0'-16'

Abandonment Method:
Boring backfilled with cement-bentonite grout upon completion.

Notes: Samples sent to lab: B-20 (0-2), (2-4), (5-7), (14-16). TW-20 sampled at 11:41 on 9/20/23.

WATER LEVEL OBSERVATIONS

- *Groundwater first encountered in soil*
- *Groundwater rise after 24 hours*

524 Elmwood Park Blvd Ste 170
New Orleans, LA

Well Started: 09-14-2023 | Well Completed: 09-14-2023

Drill Rig: Geoprobe | Driller: Walker Hill

Project No.: ET237079 | Exhibit: B-20

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-1

Well Diameter: 1 in.

Well depth from TOC: 14.2 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.1 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.1

Volume of water in well (Ht. x K): 10.1 x 0.0405 = 0.41

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 8:47 Completion Time: 8:57

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
536	0.85	25.28	7.18	823	8:47	0.41
289	1.28	25.40	7.08	865	8:53	0.82
563	0.80	26.01	7.14	652	8:57	1.23

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-1	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	RECAP SVOC
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-2

Well Diameter: 1 in.

Well depth from TOC: 15.1 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.6 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.5

Volume of water in well (Ht. x K): 10.5 x 0.0405 = 0.43

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 9:39 Completion Time: 9:50

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
734	1.14	27.72	7.56	780	9:39	0.43
788	1.81	28.05	7.37	790	9:44	0.86
802	1.61	27.82	7.23	777	9:50	1.29

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-2	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	RECAP SVOC
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-3

Well Diameter: 1 in.

Well depth from TOC: 15.2 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.3 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well | K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft 2" - 0.163 gl/ft 3" - 0.365 gal/ft 4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.9

Volume of water in well (Ht. x K): 10.9 x 0.0405 = 0.44

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 10:41 Completion Time: 10:53

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
485	1.06	28.71	7.21	1156	10:41	0.44
586	1.32	27.11	7.12	1106	10:47	0.88
421	1.49	27.35	7.04	1101	10:53	1.32

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-3	100 ml amber	ICE	PAH
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-4

Well Diameter: 1 in.

Well depth from TOC: 13.2 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.0 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 9.2

Volume of water in well (Ht. x K): 9.2 x 0.0405 = 0.37

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 11:40 Completion Time: 11:53

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
0.02	0.51	27.30	7.36	1046	9:39	0.37
0.02	0.79	28.56	7.37	1150	9:44	0.74
9.74	1.96	27.50	7.36	1093	9:50	1.11

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-4	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	RECAP SVOC
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-5

Well Diameter: 1 in.

Well depth from TOC: 15.6 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.6 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 11.0

Volume of water in well (Ht. x K): 11.0 x 0.0405 = 0.45

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 12:29 Completion Time: 12:39

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
164	1.17	25.74	7.31	996	12:29	0.45
464	0.93	24.53	7.06	964	12:33	0.9
358	1.73	24.07	7.05	955	12:39	1.35

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-5	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	RECAP SVOC
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-6

Well Diameter: 1 in.

Well depth from TOC: 16.4 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.3 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 12.1

Volume of water in well (Ht. x K): 12.1 x 0.0405 = 0.49

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 13:18 Completion Time: 13:30

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
269	5.11	26.37	7.37	1013	13:18	0.49
575	4.63	25.01	7.28	990	13:23	0.98
732	4.46	24.89	7.25	977	13:30	1.47

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-6	40 ml Plastic	HCL	VOC
	100 ml amber	ICE	RECAP SVOC
	250 ml	HNO3	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-7

Well Diameter: 1 in.

Well depth from TOC: 15.2 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.5 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.7

Volume of water in well (Ht. x K): 10.7 x 0.405 = 0.43

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 14:07 Completion Time: 14:19

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
240	0.98	28.24	7.21	1704	14:07	0.43
691	1.46	26.81	7.06	1645	14:12	0.86
557	2.01	26.18	7.04	1580	14:19	1.29

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-7	40 ml Plastic	HCL	VOC
	100 ml amber	ICE	RECAP SVOC
	250 ml	HNO3	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-18-23

Well Information

Well ID: TW-8

Well Diameter: 1 in.

Well depth from TOC: 12.5 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.1 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 8.4

Volume of water in well (Ht. x K): 8.4 x 0.0405 = 0.34

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 14:57 Completion Time: 15:11

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
42.3	0.62	35.16	6.94	2783	14:57	0.34
1.68	0.39	30.87	7.08	2049	15:05	0.68
71.8	0.83	31.04	7.00	2419	15:11	1.02

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-8	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	RECAP SVOC
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-9

Well Diameter: 1 in.

Well depth from TOC: 15.3 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 3.7 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well | K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft 2" - 0.163 gl/ft 3" - 0.365 gal/ft 4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 11.6

Volume of water in well (Ht. x K): 11.6 x 0.0405 = 0.47

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 8:50 Completion Time: 9:01

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
482	6.72	29.89	6.72	3582	8:50	0.47
446	6.75	30.46	6.75	3518	8:56	0.94
194	6.74	30.67	6.74	3499	9:01	1.41

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-9	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	PAH
	250 ml	HNO3	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-10

Well Diameter: 1 in.

Well depth from TOC: 14.2 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 3.7 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well | K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft 2" - 0.163 gl/ft 3" - 0.365 gal/ft 4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.5

Volume of water in well (Ht. x K): 10.5 x 0.0405 = 0.43

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 9:15 Completion Time: 9:25

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
171	12.40	29.07	6.92	2821	9:15	0.43
730	6.22	30.03	6.95	2547	9:20	0.86
734	3.10	29.61	6.93	2667	9:25	1.29

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-10	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	SVOC RECAP
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-11

Well Diameter: 1 in.

Well depth from TOC: 15.0 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.2 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.8

Volume of water in well (Ht. x K): 10.8 x 0.0405 = 0.44

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 10:10 Completion Time: 10:20

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
94.4	17.66	29.38	7.33	1696	10:10	0.44
82.3	13.16	28.75	7.17	1747	10:15	0.88
10.6	9.47	28.41	7.14	2033	10:20	1.32

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-11	100 ml amber	ICE	PAH
	250 ml	HNO3	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Terracon

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-12

Well Diameter: 1 in.

Well depth from TOC: 15.3 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 3.5 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well | K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft 2" - 0.163 gl/ft 3" - 0.365 gal/ft 4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 11.8

Volume of water in well (Ht. x K): 11.8 x 0.0405 = 0.48

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 10:48 Completion Time: 10:59

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
342	3.84	27.58	7.4	1255	10:48	0.48
655	1.94	26.38	7.44	1258	10:53	0.96
64.8	3.08	25.97	7.43	1245	10:59	1.44

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-12	100 ml amber	ICE	PAH
	250 ml	HN03	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-13

Well Diameter: 1 in.

Well depth from TOC: 15.5 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 3.7 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 11.8

Volume of water in well (Ht. x K): 11.8 x 0.0405 = 0.48

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 11:30 Completion Time: 11:40

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
743	2.68	27.49	7.57	1112	11:30	0.48
65.4	1.82	26.37	7.44	1071	11:35	0.96
153	1.38	26.10	7.45	1068	11:40	1.44

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-13	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	SVOC RECAP
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-14

Well Diameter: 1 in.

Well depth from TOC: 15.1 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 3.8 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well | K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft 2" - 0.163 gl/ft 3" - 0.365 gal/ft 4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 11.3

Volume of water in well (Ht. x K): 11.3 x 0.0405 = 0.46

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 12:32 Completion Time: 12:44

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
570	8.42	31.89	7.41	1418	12:32	0.46
165	2.35	30.44	7.22	1352	12:38	0.92
233	2.72	29.66	7.25	1370	12:44	1.38

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-14	100 ml amber	ICE	PAH
	250 ml	HN03	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-15

Well Diameter: 1 in.

Well depth from TOC: 15.1 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 2.8 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 12.3

Volume of water in well (Ht. x K): 12.3 x 0.0405 = 0.5

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 13:40 Completion Time: 13:50

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
166	2.87	30.55	7.38	1277	13:40	0.5
224	1.74	29.54	7.1	1247	13:45	1
299	1.61	29.31	7.06	1235	13:50	1.5

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-15	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	SVOC RECAP
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-19-23

Well Information

Well ID: TW-16

Well Diameter: 1 in.

Well depth from TOC: 15.7 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 2.7 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 13

Volume of water in well (Ht. x K): 13.0 x 0.0405 = 0.53

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 14:31 Completion Time: 14:41

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
722	3.31	32.90	8.17	1445	14:31	0.53
629	2.14	31.99	8.2	1409	14:36	1.06
725	1.87	31.62	8.11	1390	14:41	1.59

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-16	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	SVOC RECAP
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-20-23

Well Information

Well ID: TW-17

Well Diameter: 1 in.

Well depth from TOC: 14.7 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 2.8 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 11.9

Volume of water in well (Ht. x K): 11.9 x 0.0405 = 0.48

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 8:23 Completion Time: 8:33

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
557	1.98	29.06	7.57	958	8:23	0.48
384	1.47	29.46	7.22	978	8:28	0.96
306	1.31	29.24	7.16	978	8:33	1.44

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-17 DUP	100 ml amber	ICE	PAH
	250 ml	HN03	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-20-23

Well Information

Well ID: TW-18

Well Diameter: 1 in.

Well depth from TOC: 14.8 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 3.3 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 11.5

Volume of water in well (Ht. x K): 11.5 x 0.0405 = 0.47

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 9:03 Completion Time: 9:13

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
622	2.94	29.93	7.7	1845	9:03	0.47
545	2.22	30.15	7.33	1849	9:08	0.94
600	1.69	30.02	7.31	1831	9:13	1.41

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-18	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	SVOC RECAP
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-20-23

Well Information

Well ID: TW-19

Well Diameter: 1 in.

Well depth from TOC: 15.3 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.4 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 10.9

Volume of water in well (Ht. x K): 10.9 x 0.0405 = 0.44

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 10:08 Completion Time: 10:19

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
682	3.32	29.42	7.58	1259	10:08	0.44
470	1.74	29.30	7.24	1245	10:14	0.88
539	1.66	29.48	7.20	1198	10:19	1.32

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-19 MS MSD	100 ml amber	ICE	PAH
	250 ml	HN03	RCRA 8 Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Monitor Well Sampling Information

Project: JM3-JM5 Parcels	Project No.: ET237079	Date: 9-20-23

Well Information

Well ID: TW-20

Well Diameter: 1 in.

Well depth from TOC: 13.2 ft. measured by: Interface Probe

General Condition of Well: Good | General Condition of Surrounding Area: Good

Weather

General: Sunny and hot | Ambient Temperature: 80's | Precipitation: 0

Well Observations

Static water level below TOC: 4.3 | Method of measure: Interface Probe

LNAPL observation: none | Method of measure: Interface Probe

Volume of Water in Well

K = 3/4" - 0.0227gl/ft 1" - 0.0405 gl/ft
2" - 0.163 gl/ft 3" - 0.365 gal/ft
4" - 0.648 gl/ft 6" - 1.459 gl/ft

Height (Ht) of water in well (Well depth from TOC - Static level from TOC): 8.9

Volume of water in well (Ht. x K): 8.9 x 0.0405 = 0.36

Well Purging

Purging method: Peristaltic pump Rate: Start Time: 11:07 Completion Time: 11:19

Turbidity	DO	Temp. ©	pH	Conductivity	Time	Volume (gal)
126	2.87	29.28	7.91	874	11:07	0.36
9.2	1.61	29.00	7.52	815	11:12	0.72
452	0.54	28.53	7.48	832	11:19	1.08

Sample Information

Method of sampling: Peristaltic Pump

Decon. procedures: dedicated tubing at each well

Sample ID	Container	Preservative	Required Analysis
TW-20	40 ml Plastic	HCL	VOC/VPH
	100 ml amber	ICE	SVOC RECAP
	250 ml	HNO3	RECAP Metals
	1 L	HCL	EPH

Sample Transport and Preservation: cooler packed in ice

Sample Destination: Pace Via: courier

Chain of Custody completed: yes

Terracon Engineering Technician(s) - Greg Pellerin

Appendix C
Tables

Table 1 - Sampling and Analytical Program
JM 3 and JM 5 Parcels
6001 River Road, Marrero, Louisiana
Project Number ET237079

Type and Designation[1]	Purpose REC/Site Concern	Soil Sample Interval	Soil Analytical[2]	Groundwater Analytical[2]
B-1/TW-1	Assess soil and groudwater for potential impacts from unathorized process waste water discharges,on-site and off-site manufacturing of asbestos materials, offsite groundwater contamination. Assess surface soil ACM contamination	0-4' 0-2', 2-4', 7-9, and 14-16'	Asbestos, EPH, VPH, VOC, SVOC, RECAP Metals	EPH,VPH, VOC, SVOC RECAP Metals
B-2/TW-2	Assess soil and groudwater for potential impacts from unathorized process waste water discharges,on-site and off-site manufacturing of asbestos materials, offsite groundwater contamination. Assess surface soil ACM contamination	0-4 0-2', 3-5', 5-7', 14-16'	Asbestos EPH, VPH, VOC, SVOC, RECAP Metals	EPH,VPH, VOC, SVOC RECAP Metals
B-3/TW-3	Assess soil and groudwater for potential impacts from unathorized process waste water discharges,on-site and off-site manufacturing of asbestos materials, offsite groundwater contamination. Assess surface soil ACM contamination	0-4' 0-4', 7-9', 14-16'	Asbestos EPH, PAH, RCRA 8 Metals	EPH, PAH, RCRA 8 Metals
B-4/TW-4	Assess soil and groudwater for potential impacts from unathorized process waste water discharges,on-site and off-site manufacturing of asbestos materials, offsite groundwater contamination. Assess surface soil ACM contamination	0-4' 0-2', 2-4', 6-8', 14-16'	Asbestos EPH, VPH, VOC, SVOC, RECAP Metals	EPH,VPH, VOC, SVOC RECAP Metals
B-5/TW-5	Assess soil and groundwater due to impacts from onsite machine shop and welding activities, manufacturing of asbestos materials, off-site historical operations. Assess surface soil ACM contamination	0-4' 2-4', 5-7', 7-9', 14-16'	Asbestos EPH, VPH, VOC, SVOC, RECAP Metals	EPH,VPH, VOC, SVOC RECAP Metals
B-6/TW-6	Assess soil and groundwater for potential impacts from onsite machine shop and welding activities, manufacturing of asbestos materials, off-site historical operations. Assess surface soil ACM contamination	0-4' 2-4', 9-11', 14-16', Dup -1	Asbestos EPH,VOC, SVOC, RCRA 8 Metals	EPH, VOC, SVOC, RCRA 8 metals
B-7/TW-7	Assess soil and groundwater for potential impacts from onsite machine shop and welding activities, manufacturing of asbestos materials, off-site historical operations. Assess surface soil ACM contamination	0-4' 4-6', 7-9', 14-16'	Asbestos EPH,VOC, SVOC, RCRA 8 Metals	EPH, VOC, SVOC, RCRA 8 metals

Table 1 - Sampling and Analytical Program
JM 3 and JM 5 Parcels
6001 River Road, Marrero, Louisiana
Project Number ET237079

Type and Designation[1]	Purpose REC/Site Concern	Soil Sample Interval	Soil Analytical[2]	Groundwater Analytical[2]
B-8/TW-8	Assess soil and groundwater potential impacts from operation of underground storage tanks, manufacturing of asbestos materials, off-site surface soil ACM contamination	0-4'	Asbestos	EPH,VPH, VOC, SVOC RECAP Metals
		0-2', 4-6', 6-8', 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	
B-9/TW-9	Assess soil and groundwater potential impacts from operation of underground storage tanks, manufacturing of asbestos materials, off-site surface soil ACM contamination	0-4'	Asbestos	EPH, VPH, PAH, VOC, RCRA 8 metals
		0-2', 5-7', 14-16'	EPH, VPH, PAH, VOC, RCRA 8 Metals	
B-10/TW-10	Assess soil and groundwater potential impacts from operation of underground storage tanks, manufacturing of asbestos materials, off-site surface soil ACM contamination	0-4'	Asbestos	EPH,VPH, VOC, SVOC RECAP Metals
		0-2', 2-4', 5-7, 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	
B-11/TW-11	Assess soil and groundwater for potential impacts from general historic operations of manufacturing asbestos materials	0-4'	Asbestos	EPH, PAH, RCRA 8 Metals
		0-2', 5-7', 14-16'	EPH, PAH, RCRA 8 Metals	
B-12/TW-12	Assess soil and groundwater for potential impacts from observed potential underground storage or drainage collection, manufacturing asbestos materials, off-site surface soil ACM contamination	0-4'	Asbestos	EPH, PAH, RCRA 8 Metals
		0-2', 2-4', 5-7', 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	
B-13/TW-13	Assess soil and groundwater for potential impacts from observed potential underground storage or drainage collection, manufacturing asbestos materials, off-site surface soil ACM contamination	0-4'	Asbestos	EPH,VPH, VOC, SVOC RECAP Metals
		0-2', 2-4', 7-9, 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	
B-14/TW-14	Assess soil and groundwater for potential impacts from unathorized discharge of proccess water, manufacturing of asbestos materials	0-4'	Asbestos	EPH, PAH, RCRA 8 Metals
		0-2', 5-7', 14-16', Dup -2	EPH, PAH, RCRA 8 Metals	
B-15/TW-15	Assess soil and groundwater for potential impacts from general historic operations of manufacturing asbestos materials	0-4'	Asbestos	EPH,VPH, VOC, SVOC RECAP Metals
		0-2', 2-4', 6-8', 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	
B-16/TW-16	Assess soil and groundwater for potential impacts from general historic operations of manufacturing asbestos materials	0-4'	Asbestos	EPH,VPH, VOC, SVOC RECAP Metals
		0-2', 2-4', 9-11' 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	

Table 1 - Sampling and Analytical Program
JM 3 and JM 5 Parcels
6001 River Road, Marrero, Louisiana
Project Number ET237079

Type and Designation[1]	Purpose REC/Site Concern	Soil Sample Interval	Soil Analytical[2]	Groundwater Analytical[2]
B-17/TW-17	Assess soil and groundwater for potential impacts from general historic operations of manufacturing asbestos materials, offsite ACM contamination, historical off-site operations	0-4'	Asbestos	EPH, PAH, RCRA 8 Metals
		0-2', 6-8', 14-16'	EPH, PAH, RCRA 8 Metals	
B-18/TW-18	Assess soil and groundwater for potential impacts from general historic operations of manufacturing asbestos materials, offsite groundwater and surface soil ACM contamination, historical off-site operations	0-4'	Asbestos	EPH,VPH, VOC, SVOC RECAP Metals
		0-2', 2-4', 4-6', 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	
B-19/TW-19	Assess soil and groundwater for potential impacts from general historic operations of manufacturing asbestos materials, offsite groundwater and surface soil ACM contamination, historical off-site operations	0-4'	Asbestos	EPH, PAH, RCRA 8 Metals
		0-4', Dup -3, 5-7', 14-16'	EPH, PAH, RCRA 8 Metals	
B-20/TW-20	Assess soil and groundwater for potential impacts from general historic operations of manufacturing asbestos materials, offsite groundwater and surface soil ACM contamination, historical off-site operations	0-4'	Asbestos	EPH,VPH, VOC, SVOC RECAP Metals
		0-2', 2-4', 5-7', 14-16'	EPH, VPH, VOC, SVOC, RECAP Metals	

Notes:
[1]Type and Designation: B = Soil Boring; TW = Temporary Monitoring Well
[2]Analytical Methods:
Asbestos - Polarized Light Microscopy by Method ASTM D7521. Only 0-2 ft interval will be analyzed for asbestos
VOCs = volatile organic compounds by EPA 8260
SVOCs = semi-volatile organic compounds by EPA 8270
PAH = polycyclic aromatic hydrocarbons EPA 8270
RCRA 8 Metals = Resource Conservation and Recovery Act 8 Metals by EPA 6010/6020/7470/7471. Groundwater samples will be field filtered
RECAP Metals = LDEQ's RECAP metals list by EPA 6010/6020/7470/7471. Groundwater samples will be field filtered.
VPH/EPH= volatile petroleum hydrocarbons, extractable petroleum hydrocarbons by Method MaDEP

Table 2
Soil Analytical Results
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Sample Identifier						Sample Identifier						Sample Identifier					
	B-1 (0-4)	B-2 (0-4)	B-3 (0-4)	B-4 (0-4)	B-7 (0-2)	B-8 (0-4)	B-9 (0-4)	B-10 (0-4)	B-11 (0-4)	B-12 (0-2)	B-13 (0-4)	B-14 (0-4)	B-15 (0-4)	B-16 (0-4)	B-17 (0-2)	B-18 (0-4)	B-19 (0-4)	B-20 (0-4)
	9/15/2018	9/15/2018	9/12/2023	9/12/2023	9/12/2023	9/12/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/13/2023	9/14/2018	9/14/2018	9/14/2018	9/14/2018	9/15/2018	9/15/2018	9/14/2023
	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)	PLM Concentration (%)
Asbestos	<0.25	0.25	4.4	3.86	4.49	1.88	7.2	8.06	4.49	1.52	4.51	1.89	<0.25	1.93	4.01	<0.25	4.55	<0.25

Notes:
Sample contains asbestos fibers

Table 3
Soil Analytical Results -VOC
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier													
			B-1 (0-2)	B-1 (2-4)	B-1 (7-9)	B-1 (14-16)	B-2 (0-2)	B-2 (3-5)	B-2 (5-7)	B-2 (14-16)	B-4 (0-2)	B-4 (2-4)	B-4 (6-8)	B-4 (14-16)	B-5 (2-4)	B-5 (5-7)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/11/2023	9/11/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (SW846 8260B)																
Acetone	1.5	SSGW	0.045	0.035	0.011	0.0088 J	0.053	0.029	0.021	0.0063 J	0.021	0.0082 J	0.0051 J	0.020	0.0051 J	<0.0087
Benzene	0.051	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Bromodichloromethane	0.92	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Bromoform	1.8	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Bromomethane	0.04	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
2-Butanone (MEK)	5	SSGW	0.0064 J	<0.0098	<0.0096	<0.011	<0.0094	<0.011	<0.0099	<0.010	<0.0089	<0.0085	<0.0095	<0.010	<0.0083	<0.0087
Carbon disulfide	11	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Carbon tetrachloride	0.11	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Chlorobenzene	3	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Chloroethane	0.035	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Chloroform	0.044	SSni	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Chloromethane	0.1	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Dibromochloromethane	1	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,2-Dibromo-3-chloropropane	0.01	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,1-Dichloroethane	7.5	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,2-Dichloroethane	0.035	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,1-Dichloroethene	0.085	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
cis-1,2-Dichloroethene	0.49	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
trans-1,2-Dichloroethene	0.77	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,2-Dichloropropane	0.042	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
cis-1,3-Dichloropropene	0.04	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
trans-1,3-Dichloropropene	0.04	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Ethylbenzene	19	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Isobutanol	30	SSGW	<0.27	<0.25	<0.24	<0.26	<0.23	<0.27	<0.25	<0.25	<0.22	<0.21	<0.24	<0.26	<0.21	<0.22
Methyl-tert-butyl ether	0.077	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Methylene Chloride	0.017	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
4-Methyl-2-pentanone (MIBK)	6.4	SSGW	<0.011	<0.0098	<0.0096	<0.011	<0.0094	<0.011	<0.0099	<0.010	<0.0089	<0.0085	<0.0095	<0.010	<0.0083	<0.0087
Styrene	11	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,1,1,2-Tetrachloroethane	0.046	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,1,2,2-Tetrachloroethane	0.006	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Tetrachloroethene	0.18	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Toluene	20	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,2,4-Trichlorobenzene	14	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,1,1-Trichloroethane	4	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
1,1,2-Trichloroethane	0.058	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Trichloroethene	0.073	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Trichlorofluoromethane	37	SSGW	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043
Vinyl chloride	0.013	SSGW	<0.0054	<0.0049	<0.0019	<0.0021	<0.0019	<0.0022	<0.0020	<0.0020	<0.0018	<0.0017	<0.0019	<0.0020	<0.0017	<0.0017
m&p-Xylene	18	SSni	<0.011	<0.0049	<0.0096	<0.011	<0.0094	<0.011	<0.0099	<0.010	<0.0089	<0.0085	<0.0095	<0.010	<0.0083	<0.0087
o-Xylene	18	SSni	<0.0054	<0.0049	<0.0048	<0.0053	<0.0047	<0.0054	<0.0050	<0.0051	<0.0045	<0.0043	<0.0048	<0.0051	<0.0042	<0.0043

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard

Table 3
Soil Analytical Results -VOC
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier											
			B-5 (7-9)	B-5 (14-16)	B-6 (2-4)	B-6 (9-11)	B-6 (14-16)	B-6 DUP (14-16)	B-7 (4-6)	B-7 (7-9)	B-7 (14-16)	B-8 (0-2)	B-8 (4-6)	B-8 (6-8)
			9/11/2023	9/11/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (SW846 8260B)														
Acetone	1.5	SSGW	0.0078 J	0.0092	0.0047 J	0.0067 J	0.012	0.013	<0.0099	0.0091 J	0.013	0.014	0.011	0.0084 J
Benzene	0.051	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Bromodichloromethane	0.92	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Bromoform	1.8	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Bromomethane	0.04	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
2-Butanone (MEK)	5	SSGW	<0.010	<0.0091	<0.0084	<0.0088	<0.0098	<0.0089	<0.0099	<0.0093	<0.0089	<0.0096	<0.0091	<0.0091
Carbon disulfide	11	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Carbon tetrachloride	0.11	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Chlorobenzene	3	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Chloroethane	0.035	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Chloroform	0.044	SSni	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Chloromethane	0.1	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Dibromochloromethane	1	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,2-Dibromo-3-chloropropane	0.01	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,1-Dichloroethane	7.5	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,2-Dichloroethane	0.035	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,1-Dichloroethene	0.085	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
cis-1,2-Dichloroethene	0.49	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
trans-1,2-Dichloroethene	0.77	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,2-Dichloropropane	0.042	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
cis-1,3-Dichloropropene	0.04	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
trans-1,3-Dichloropropene	0.04	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Ethylbenzene	19	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Isobutanol	30	SSGW	<0.25	<0.23	<0.21	<0.22	<0.24	<0.22	<0.25	<0.23	<0.22	<0.24	<0.23	<0.23
Methyl-tert-butyl ether	0.077	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Methylene Chloride	0.017	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
4-Methyl-2-pentanone (MIBK)	6.4	SSGW	<0.010	<0.0091	<0.0084	<0.0088	<0.0098	<0.0089	<0.0099	<0.0093	<0.0089	<0.0096	<0.0091	<0.0091
Styrene	11	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,1,1,2-Tetrachloroethane	0.046	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,1,2,2-Tetrachloroethane	0.006	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Tetrachloroethene	0.18	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Toluene	20	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,2,4-Trichlorobenzene	14	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,1,1-Trichloroethane	4	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
1,1,2-Trichloroethane	0.058	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Trichloroethene	0.073	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Trichlorofluoromethane	37	SSGW	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045
Vinyl chloride	0.013	SSGW	<0.0020	<0.0018	<0.0017	<0.0018	<0.0020	<0.0018	<0.0020	<0.0019	<0.0018	<0.0019	<0.0018	<0.0018
m&p-Xylene	18	SSni	<0.010	<0.0091	<0.0084	<0.0088	<0.0098	<0.0089	<0.0099	<0.0093	<0.0089	<0.0096	<0.0091	<0.0091
o-Xylene	18	SSni	<0.0050	<0.0045	<0.0042	<0.0044	<0.0049	<0.0045	<0.0050	<0.0046	<0.0045	<0.0048	<0.0045	<0.0045

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard

Table 3
Soil Analytical Results -VOC
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier											
			B-8 (14-16)	B-9 (0-2)	B-9 (5-7)	B-9 (14-16)	B-10 (0-2)	B-10 (2-4)	B-10 (5-7)	B-10 (14-16)	B-12 (0-2)	B-12 (2-4)	B-12 (5-7)	B-12 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (SW846 8260B)														
Acetone	1.5	SSGW	0.015	0.0052 J	<0.0091	0.0082 J	0.011	0.0066 J	0.0068 J	0.0081 J	0.0086	<0.0088	<0.0094	<0.0096
Benzene	0.051	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Bromodichloromethane	0.92	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Bromoform	1.8	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Bromomethane	0.04	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
2-Butanone (MEK)	5	SSGW	<0.010	<0.0090	<0.0091	<0.011	<0.0083	<0.0087	<0.0099	<0.0088	<0.0081	<0.0088	<0.0094	<0.0096
Carbon disulfide	11	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Carbon tetrachloride	0.11	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Chlorobenzene	3	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Chloroethane	0.035	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Chloroform	0.044	SSni	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Chloromethane	0.1	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Dibromochloromethane	1	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,2-Dibromo-3-chloropropane	0.01	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,1-Dichloroethane	7.5	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,2-Dichloroethane	0.035	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,1-Dichloroethene	0.085	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
cis-1,2-Dichloroethene	0.49	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
trans-1,2-Dichloroethene	0.77	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,2-Dichloropropane	0.042	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
cis-1,3-Dichloropropene	0.04	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
trans-1,3-Dichloropropene	0.04	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Ethylbenzene	19	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Isobutanol	30	SSGW	<0.25	<0.23	<0.23	<0.27	<0.21	<0.22	<0.25	<0.22	<0.20	<0.22	<0.23	<0.24
Methyl-tert-butyl ether	0.077	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Methylene Chloride	0.017	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
4-Methyl-2-pentanone (MIBK)	6.4	SSGW	<0.010	<0.0090	<0.0091	<0.011	<0.0083	<0.0087	<0.0099	<0.0088	<0.0081	<0.0088	<0.0094	<0.0096
Styrene	11	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,1,1,2-Tetrachloroethane	0.046	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,1,2,2-Tetrachloroethane	0.006	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Tetrachloroethene	0.18	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Toluene	20	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,2,4-Trichlorobenzene	14	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,1,1-Trichloroethane	4	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
1,1,2-Trichloroethane	0.058	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Trichloroethene	0.073	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Trichlorofluoromethane	37	SSGW	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048
Vinyl chloride	0.013	SSGW	<0.0020	<0.0018	<0.0018	<0.0021	<0.0017	<0.0017	<0.0020	<0.0018	<0.0016	<0.0018	<0.0019	<0.0019
m&p-Xylene	18	SSni	<0.010	<0.0090	<0.0091	<0.011	<0.0083	<0.0087	<0.0099	<0.0088	<0.0081	<0.0088	<0.0094	<0.0096
o-Xylene	18	SSni	<0.0050	<0.0045	<0.0046	<0.0054	<0.0042	<0.0043	<0.0050	<0.0044	<0.0040	<0.0044	<0.0047	<0.0048

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard

Table 3
Soil Analytical Results -VOC
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier											
			B-13 (0-2)	B-13 (2-4)	B-13 (7-9)	B-13 (14-16)	B-15 (0-2)	B-15 (2-4)	B-15 (6-8)	B-15 (14-16)	B-16 (0-2)	B-16 (2-4)	B-16 (9-11)	B-16 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (SW846 8260B)														
Acetone	1.5	SSGW	0.0062 J	0.0099	<0.0097	0.0060 J	<0.0086	0.0078 J	<0.0096	0.012 J	0.0054 J	0.0067 J	0.0058 J	<0.0096
Benzene	0.051	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Bromodichloromethane	0.92	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Bromoform	1.8	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Bromomethane	0.04	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
2-Butanone (MEK)	5	SSGW	<0.0088	<0.0090	<0.0097	<0.0097	<0.0086	<0.0088	<0.0096	<0.016	<0.0083	<0.0097	<0.0093	<0.0096
Carbon disulfide	11	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Carbon tetrachloride	0.11	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Chlorobenzene	3	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Chloroethane	0.035	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Chloroform	0.044	SSni	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Chloromethane	0.1	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Dibromochloromethane	1	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,2-Dibromo-3-chloropropane	0.01	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,1-Dichloroethane	7.5	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,2-Dichloroethane	0.035	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,1-Dichloroethene	0.085	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	0.0063
cis-1,2-Dichloroethene	0.49	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
trans-1,2-Dichloroethene	0.77	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,2-Dichloropropane	0.042	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
cis-1,3-Dichloropropene	0.04	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
trans-1,3-Dichloropropene	0.04	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Ethylbenzene	19	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Isobutanol	30	SSGW	<0.22	<0.22	<0.24	<0.24	<0.22	<0.22	<0.24	<0.39	<0.21	<0.24	<0.23	<0.24
Methyl-tert-butyl ether	0.077	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Methylene Chloride	0.017	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
4-Methyl-2-pentanone (MIBK)	6.4	SSGW	<0.0088	<0.0090	<0.0097	<0.0097	<0.0086	<0.0088	<0.0096	<0.016	<0.0083	<0.0097	<0.0093	<0.0096
Styrene	11	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,1,1,2-Tetrachloroethane	0.046	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,1,2,2-Tetrachloroethane	0.006	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Tetrachloroethene	0.18	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Toluene	20	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,2,4-Trichlorobenzene	14	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,1,1-Trichloroethane	4	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
1,1,2-Trichloroethane	0.058	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Trichloroethene	0.073	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Trichlorofluoromethane	37	SSGW	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048
Vinyl chloride	0.013	SSGW	<0.0018	<0.0018	<0.0019	<0.0019	<0.0017	<0.0018	<0.0019	<0.0032	<0.0017	<0.0019	<0.0019	<0.0019
m&p-Xylene	18	SSni	<0.0088	<0.0090	<0.0097	<0.0097	<0.0086	<0.0088	<0.0096	<0.016	<0.0083	<0.0097	<0.0093	<0.0096
o-Xylene	18	SSni	<0.0044	<0.0045	<0.0049	<0.0048	<0.0043	<0.0044	<0.0048	<0.0079	<0.0041	<0.0048	<0.0047	<0.0048

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard

Table 3
Soil Analytical Results -VOC
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier							
			B-18 (0-2)	B-18 (2-4)	B-18 (4-6)	B-18 (14-16)	B-20 (0-2)	B-20 (2-4)	B-20 (5-7)	B-20 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Volatile Organic Compounds (SW846 8260B)										
Acetone	1.5	SSGW	0.063	0.039	0.011	0.011	<0.0087	<0.0093	<0.0089	0.0055 J
Benzene	0.051	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Bromodichloromethane	0.92	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Bromoform	1.8	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Bromomethane	0.04	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
2-Butanone (MEK)	5	SSGW	0.0091 J	<0.011	<0.011	<0.0094	<0.0087	<0.0093	<0.0089	<0.010
Carbon disulfide	11	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Carbon tetrachloride	0.11	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Chlorobenzene	3	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Chloroethane	0.035	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Chloroform	0.044	SSni	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Chloromethane	0.1	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Dibromochloromethane	1	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,2-Dibromo-3-chloropropane	0.01	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,1-Dichloroethane	7.5	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,2-Dichloroethane	0.035	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,1-Dichloroethene	0.085	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
cis-1,2-Dichloroethene	0.49	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
trans-1,2-Dichloroethene	0.77	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,2-Dichloropropane	0.042	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
cis-1,3-Dichloropropene	0.04	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
trans-1,3-Dichloropropene	0.04	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Ethylbenzene	19	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Isobutanol	30	SSGW	<0.25	<0.27	<0.27	<0.24	<0.22	<0.23	<0.22	<0.25
Methyl-tert-butyl ether	0.077	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Methylene Chloride	0.017	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
4-Methyl-2-pentanone (MIBK)	6.4	SSGW	<0.0099	<0.011	<0.011	<0.0094	<0.0087	<0.0093	<0.0089	<0.010
Styrene	11	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,1,1,2-Tetrachloroethane	0.046	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,1,2,2-Tetrachloroethane	0.006	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Tetrachloroethene	0.18	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Toluene	20	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,2,4-Trichlorobenzene	14	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,1,1-Trichloroethane	4	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
1,1,2-Trichloroethane	0.058	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Trichloroethene	0.073	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Trichlorofluoromethane	37	SSGW	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050
Vinyl chloride	0.013	SSGW	<0.0020	<0.0021	<0.0022	<0.0019	<0.0017	<0.0019	<0.0018	<0.0020
m&p-Xylene	18	SSni	<0.0099	<0.011	<0.011	<0.0094	<0.0087	<0.0093	<0.0089	<0.010
o-Xylene	18	SSni	<0.0050	<0.0053	<0.0054	<0.0047	<0.0044	<0.0046	<0.0044	<0.0050

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard

Table 4
Soil Analytical Results - SVOC/PAH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier																			
			B-1 (0-2)	B-1 (2-4)	B-1 (7-9)	B-1 (14-16)	B-2 (0-2)	B-2 (3-5)	B-2 (5-7)	B-2 (14-16)	B-3 (0-4)	B-3 (7-9)	B-3 (14-16)	B-4 (0-2)	B-4 (2-4)	B-4 (6-8)	B-4 (14-16)	B-5 (2-4)	B-5 (5-7)	B-5 (7-9)	B-5 (14-16)	B-6 (2-4)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/12/2023	9/12/2023	9/12/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOC/PAH (SW846 8270D/8270 sim)																						
Acenaphthene	220	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Acenaphthylene	88	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Aniline	0.065	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Anthracene	120	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Benzo(a)anthracene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00181 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00793 J
Benzo(a)pyrene	0.33	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00717 J
Benzo(b)fluoranthene	0.62	SSni	0.00668 J	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00195 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.0103 J
Benzo(k)fluoranthene	6.2	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Biphenyl (Diphenyl)	190	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
bis(2-Chloroethyl) ether	0.33	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,2'-Oxybis(1-chloropropane)	0.8	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
bis(2-Ethylhexyl)phthalate	35	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Butylbenzylphthalate	220	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
4-Chloroaniline	1.5	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2-Chloronaphthalene	500	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
2-Chlorophenol	1.4	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Chrysene	62	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00774 J
Dibenz(a,h)anthracene	0.33	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Dibenzofuran	24	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
1,2-Dichlorobenzene	29	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
1,3-Dichlorobenzene	2.1	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
1,4-Dichlorobenzene	5.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
3,3'-Dichlorobenzidine	0.97	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,4-Dichlorophenol	12	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Diethylphthalate	360	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,4-Dimethylphenol	20	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Dimethylphthalate	1500	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Di-n-octylphthalate	240	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
1,3-Dinitrobenzene	0.25	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,4-Dinitrophenol	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,4-Dinitrotoluene	1	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,6-Dinitrotoluene	0.39	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Dinoseb	0.14	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Fluoranthene	220	SSni	0.0110 J	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00258 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.0131 J
Fluorene	230	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Hexachloro-1,3-butadiene	0.82	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Hexachlorobenzene	0.34	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Hexachlorocyclopentadiene	1.4	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Hexachloroethane	2.2	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Indeno(1,2,3-cd)pyrene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Isophorone	0.56	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2-Methylnaphthalene	1.7	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	0.0146 J	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Naphthalene	1.5	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
2-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
3-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
4-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Nitrobenzene	0.33	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
4-Nitrophenol	2.6	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
N-Nitroso-di-n-propylamine	0.33	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
N-Nitrosodiphenylamine	2.1	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Pentachlorophenol	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Phenanthrene	660	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333
Phenol	11	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
Pyrene	230	SSni	0.00875 J	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00229 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.0102 J
1,2,4,5-Tetrachlorobenzene	1.2	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,3,4,6-Tetrachlorophenol	31	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,4,5-Trichlorophenol	320	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333
2,4,6-Trichlorophenol	1.3	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 4
Soil Analytical Results - SVOC/PAH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier															
			B-6 (9-11)	B-6 (14-16)	B-6 DUP (14-16)	B-7 (4-6)	B-7 (7-9)	B-7 (14-16)	B-8 (0-2)	B-8 (4-6)	B-8 (6-8)	B-8 (14-16)	B-9 (0-2)	B-9 (5-7)	B-9 (14-16)	B-10 (0-2)	B-10 (2-4)	B-10 (5-7)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOC/PAH (SW846 8270D/8270 sim)																		
Acenaphthene	220	SSGW	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Acenaphthylene	88	SSGW	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Aniline	0.065	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Anthracene	120	SSGW	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Benzo(a)anthracene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.00598 J	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Benzo(a)pyrene	0.33	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Benzo(b)fluoranthene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.00822 J	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Benzo(k)fluoranthene	6.2	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Biphenyl (Diphenyl)	190	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
bis(2-Chloroethyl) ether	0.33	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,2'-Oxybis(1-chloropropane)	0.8	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
bis(2-Ethylhexyl)phthalate	35	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Butylbenzylphthalate	220	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
4-Chloroaniline	1.5	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2-Chloronaphthalene	500	SSni	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333
2-Chlorophenol	1.4	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Chrysene	62	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Dibenz(a,h)anthracene	0.33	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Dibenzofuran	24	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
1,2-Dichlorobenzene	29	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
1,3-Dichlorobenzene	2.1	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
1,4-Dichlorobenzene	5.7	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
3,3'-Dichlorobenzidine	0.97	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,4-Dichlorophenol	12	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Diethylphthalate	360	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,4-Dimethylphenol	20	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Dimethylphthalate	1500	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Di-n-octylphthalate	240	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
1,3-Dinitrobenzene	0.25	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,4-Dinitrophenol	1.7	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,4-Dinitrotoluene	1	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,6-Dinitrotoluene	0.39	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Dinoseb	0.14	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Fluoranthene	220	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.0123 J	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Fluorene	230	SSGW	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Hexachloro-1,3-butadiene	0.82	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Hexachlorobenzene	0.34	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Hexachlorocyclopentadiene	1.4	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Hexachloroethane	2.2	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Indeno(1,2,3-cd)pyrene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
Isophorone	0.56	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2-Methylnaphthalene	1.7	SSGW	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	0.00706 J	<0.0333	<0.0333
Naphthalene	1.5	SSGW	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	0.00595 J	<0.0333	<0.0333	<0.0333
2-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
3-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
4-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Nitrobenzene	0.33	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
4-Nitrophenol	2.6	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
N-Nitroso-di-n-propylamine	0.33	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
N-Nitrosodiphenylamine	2.1	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Pentachlorophenol	1.7	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Phenanthrene	660	SSGW	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.00914 J	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.00725 J	<0.0333	<0.0333
Phenol	11	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
Pyrene	230	SSni	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.0125 J	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333
1,2,4,5-Tetrachlorobenzene	1.2	SSni	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,3,4,6-Tetrachlorophenol	31	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,4,5-Trichlorophenol	320	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333
2,4,6-Trichlorophenol	1.3	SSGW	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 4
Soil Analytical Results - SVOC/PAH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier															
			B-10 (14-16)	B-11 (0-2)	B-11 (5-7)	B-11 (14-16)	B-12 (0-2)	B-12 (2-4)	B-12 (5-7)	B-12 (14-16)	B-13 (0-2)	B-13 (2-4)	B-13 (7-9)	B-13 (14-16)	B-14 (0-2)	B-14 (5-7)	B-14 (14-16)	B-14 (0-2) DUP
			9/15/2023	9/13/2023	9/13/2023	9/13/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/14/2023	9/14/2023	9/14/2023	9/14/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOC/PAH (SW846 8270D/8270 sim)																		
Acenaphthene	220	SSGW	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.00454 J
Acenaphthylene	88	SSGW	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.0324 J	<0.0333	<0.0333	<0.0333	0.00299 J	<0.00600	<0.00600	0.0130
Aniline	0.065	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Anthracene	120	SSGW	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.0134 J	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.0429
Benzo(a)anthracene	0.62	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.113	0.00775 J	<0.0333	<0.0333	0.0183	<0.00600	<0.00600	0.191
Benzo(a)pyrene	0.33	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.153	0.00683 J	<0.0333	<0.0333	0.0219	<0.00600	<0.00600	0.218
Benzo(b)fluoranthene	0.62	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.332	0.0122 J	<0.0333	<0.0333	0.0317	<0.00600	<0.00600	0.314
Benzo(k)fluoranthene	6.2	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.115	<0.0333	<0.0333	<0.0333	0.00930	<0.00600	<0.00600	0.0992
Biphenyl (Diphenyl)	190	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
bis(2-Chloroethyl) ether	0.33	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	0.8	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	35	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Butylbenzylphthalate	220	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
4-Chloroaniline	1.5	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2-Chloronaphthalene	500	SSni	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0200
2-Chlorophenol	1.4	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Chrysene	62	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.186	0.00864 J	<0.0333	<0.0333	0.0228	<0.00600	<0.00600	0.233
Dibenz(a,h)anthracene	0.33	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.0313 J	<0.0333	<0.0333	<0.0333	0.00393 J	<0.00600	<0.00600	0.0375
Dibenzofuran	24	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,2-Dichlorobenzene	29	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,3-Dichlorobenzene	2.1	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,4-Dichlorobenzene	5.7	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
3,3'-Dichlorobenzidine	0.97	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dichlorophenol	12	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Diethylphthalate	360	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dimethylphenol	20	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Dimethylphthalate	1500	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Di-n-octylphthalate	240	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,3-Dinitrobenzene	0.25	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dinitrophenol	1.7	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dinitrotoluene	1	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,6-Dinitrotoluene	0.39	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Dinoseb	0.14	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Fluoranthene	220	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.303	0.0186 J	<0.0333	<0.0333	0.0317	<0.00600	<0.00600	0.427
Fluorene	230	SSGW	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.00782 J	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	0.00246 J
Hexachloro-1,3-butadiene	0.82	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Hexachlorobenzene	0.34	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Hexachlorocyclopentadiene	1.4	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Hexachloroethane	2.2	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.62	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.135	<0.0333	<0.0333	<0.0333	0.0240	<0.00600	<0.00600	0.206
Isophorone	0.56	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2-Methylnaphthalene	1.7	SSGW	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	0.00534 J	0.00615 J	<0.0333	<0.0333	0.00816 J	<0.0200	<0.0200	0.0317
Naphthalene	1.5	SSGW	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00652 J	<0.0200	<0.0200	0.0723
2-Nitroaniline	1.7	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
3-Nitroaniline	1.7	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
4-Nitroaniline	1.7	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Nitrobenzene	0.33	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
4-Nitrophenol	2.6	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	0.33	SSni	<0.333	NA	NA	NA	0.0160 J	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
N-Nitrosodiphenylamine	2.1	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Pentachlorophenol	1.7	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Phenanthrene	660	SSGW	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.0676	0.0119 J	<0.0333	<0.0333	0.0127	<0.00600	<0.00600	0.287
Phenol	11	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Pyrene	230	SSni	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	0.258	0.0161 J	<0.0333	<0.0333	0.0257	<0.00600	<0.00600	0.331
1,2,4,5-Tetrachlorobenzene	1.2	SSni	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	31	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4,5-Trichlorophenol	320	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4,6-Trichlorophenol	1.3	SSGW	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA

Notes:
RECAP Ssni Soil RECAP screening standard for non-industrial sites
RECAP SSgw RECAP screening standard for soil protective of groundwater
< Less than the laboratory reporting limit
Indicates exceedance of Limiting Standard
NA Not Analyzed

Table 4
Soil Analytical Results - SVOC/PAH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier																	
			B-15 (0-2)	B-15 (2-4)	B-15 (6-8)	B-15 (14-16)	B-16 (0-2)	B-16 (2-4)	B-16 (9-11)	B-16 (14-16)	B-17 (0-2)	B-17 (6-8)	B-17 (14-16)	B-18 (0-2)	B-18 (2-4)	B-18 (4-6)	B-18 (14-16)	B-19 (0-4)	B-19 (0-4) DUP	B-19 (5-7)	B-19 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/14/2023	9/14/2023	9/14/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SVOC/PAH (SW846 8270D/8270 sim)																					
Acenaphthene	220	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Acenaphthylene	88	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00590 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Aniline	0.065	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Anthracene	120	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00377 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Benzo(a)anthracene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.0132 J	<0.0333	<0.0333	<0.0333	0.0360	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Benzo(a)pyrene	0.33	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.0119 J	<0.0333	<0.0333	<0.0333	0.0400	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Benzo(b)fluoranthene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.0177 J	<0.0333	<0.0333	<0.0333	0.0486	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Benzo(k)fluoranthene	6.2	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.00655 J	<0.0333	<0.0333	<0.0333	0.0193	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Biphenyl (Diphenyl)	190	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
bis(2-Chloroethyl) ether	0.33	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	0.8	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	35	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Butylbenzylphthalate	220	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
4-Chloroaniline	1.5	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2-Chloronaphthalene	500	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	<0.0200	<0.0200	<0.0200	<0.0200
2-Chlorophenol	1.4	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Chrysene	62	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.0101 J	<0.0333	<0.0333	<0.0333	0.0324	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Dibenz(a,h)anthracene	0.33	SSni	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00586 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Dibenzofuran	24	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,2-Dichlorobenzene	29	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,3-Dichlorobenzene	2.1	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,4-Dichlorobenzene	5.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
3,3'-Dichlorobenzidine	0.97	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dichlorophenol	12	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Diethylphthalate	360	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dimethylphenol	20	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Dimethylphthalate	1500	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Di-n-octylphthalate	240	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
1,3-Dinitrobenzene	0.25	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dinitrophenol	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4-Dinitrotoluene	1	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,6-Dinitrotoluene	0.39	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Dinoseb	0.14	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Fluoranthene	220	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.0230 J	<0.0333	<0.0333	<0.0333	0.0570	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Fluorene	230	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.00248 J	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Hexachloro-1,3-butadiene	0.82	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Hexachlorobenzene	0.34	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Hexachlorocyclopentadiene	1.4	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Hexachloroethane	2.2	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.62	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.0104 J	<0.0333	<0.0333	<0.0333	0.0323	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Isophorone	0.56	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2-Methylnaphthalene	1.7	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.0438	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	0.0164 J	<0.0200	<0.0200	<0.0200
Naphthalene	1.5	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	<0.0333	0.0238	<0.0200	<0.0200	<0.0333	<0.0333	<0.0333	<0.0333	0.0119 J	<0.0200	<0.0200	<0.0200
2-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
3-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
4-Nitroaniline	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Nitrobenzene	0.33	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
4-Nitrophenol	2.6	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	0.33	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
N-Nitrosodiphenylamine	2.1	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Pentachlorophenol	1.7	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Phenanthrene	660	SSGW	<0.0333	<0.0333	<0.0333	<0.0333	0.00833 J	<0.0333	<0.0333	<0.0333	0.0330	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
Phenol	11	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
Pyrene	230	SSni	<0.0333	<0.0333	<0.0333	<0.0333	0.0196 J	<0.0333	<0.0333	<0.0333	0.0520	<0.00600	<0.00600	<0.0333	<0.0333	<0.0333	<0.0333	<0.00600	<0.00600	<0.00600	<0.00600
1,2,4,5-Tetrachlorobenzene	1.2	SSni	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	31	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4,5-Trichlorophenol	320	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA
2,4,6-Trichlorophenol	1.3	SSGW	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	<0.333	<0.333	<0.333	<0.333	NA	NA	NA	NA

Notes:
RECAP Ssni Soil RECAP screening standard for non-industrial sites
RECAP SSgw RECAP screening standard for soil protective of groundwater
< Less than the laboratory reporting limit
Indicates exceedance of Limiting Standard
NA Not Analyzed

Table 4
Soil Analytical Results - SVOC/PAH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier			
			B-20 (0-2)	B-20 (2-4)	B-20 (5-7)	B-20 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg
SVOC/PAH (SW846 8270D/8270 sim)						
Acenaphthene	220	SSGW	0.00391 J	<0.00600	<0.00600	<0.00600
Acenaphthylene	88	SSGW	0.00226 J	<0.00600	<0.00600	<0.00600
Aniline	0.065	SSGW	NA	NA	NA	NA
Anthracene	120	SSGW	0.00430 J	<0.00600	<0.00600	<0.00600
Benzo(a)anthracene	0.62	SSni	0.0100	<0.00600	<0.00600	<0.00600
Benzo(a)pyrene	0.33	SSni	0.0119	<0.00600	<0.00600	<0.00600
Benzo(b)fluoranthene	0.62	SSni	0.0186	<0.00600	<0.00600	<0.00600
Benzo(k)fluoranthene	6.2	SSni	0.00534 J	<0.00600	<0.00600	<0.00600
Biphenyl (Diphenyl)	190	SSGW	NA	NA	NA	NA
bis(2-Chloroethyl) ether	0.33	SSni	NA	NA	NA	NA
2,2'-Oxybis(1-chloropropane)	0.8	SSGW	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	35	SSni	NA	NA	NA	NA
Butylbenzylphthalate	220	SSni	NA	NA	NA	NA
4-Chloroaniline	1.5	SSGW	NA	NA	NA	NA
2-Chloronaphthalene	500	SSni	<0.0200	<0.0200	<0.0200	<0.0200
2-Chlorophenol	1.4	SSGW	NA	NA	NA	NA
Chrysene	62	SSni	0.0118	<0.00600	<0.00600	<0.00600
Dibenz(a,h)anthracene	0.33	SSni	0.00211 J	<0.00600	<0.00600	<0.00600
Dibenzofuran	24	SSGW	NA	NA	NA	NA
1,2-Dichlorobenzene	29	SSGW	NA	NA	NA	NA
1,3-Dichlorobenzene	2.1	SSni	NA	NA	NA	NA
1,4-Dichlorobenzene	5.7	SSGW	NA	NA	NA	NA
3,3'-Dichlorobenzidine	0.97	SSni	NA	NA	NA	NA
2,4-Dichlorophenol	12	SSGW	NA	NA	NA	NA
Diethylphthalate	360	SSGW	NA	NA	NA	NA
2,4-Dimethylphenol	20	SSGW	NA	NA	NA	NA
Dimethylphthalate	1500	SSni	NA	NA	NA	NA
Di-n-octylphthalate	240	SSni	NA	NA	NA	NA
1,3-Dinitrobenzene	0.25	SSGW	NA	NA	NA	NA
2,4-Dinitrophenol	1.7	SSGW	NA	NA	NA	NA
2,4-Dinitrotoluene	1	SSGW	NA	NA	NA	NA
2,6-Dinitrotoluene	0.39	SSGW	NA	NA	NA	NA
Dinoseb	0.14	SSGW	NA	NA	NA	NA
Fluoranthene	220	SSni	0.0210	<0.00600	<0.00600	<0.00600
Fluorene	230	SSGW	0.00546 J	<0.00600	<0.00600	<0.00600
Hexachloro-1,3-butadiene	0.82	SSni	NA	NA	NA	NA
Hexachlorobenzene	0.34	SSni	NA	NA	NA	NA
Hexachlorocyclopentadiene	1.4	SSni	NA	NA	NA	NA
Hexachloroethane	2.2	SSGW	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.62	SSni	0.0103	<0.00600	<0.00600	<0.00600
Isophorone	0.56	SSGW	NA	NA	NA	NA
2-Methylnaphthalene	1.7	SSGW	0.0116 J	<0.0200	0.00475 J	<0.0200
Naphthalene	1.5	SSGW	0.00901 J	<0.0200	0.00443 J	<0.0200
2-Nitroaniline	1.7	SSGW	NA	NA	NA	NA
3-Nitroaniline	1.7	SSGW	NA	NA	NA	NA
4-Nitroaniline	1.7	SSGW	NA	NA	NA	NA
Nitrobenzene	0.33	SSGW	NA	NA	NA	NA
4-Nitrophenol	2.6	SSGW	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	0.33	SSni	NA	NA	NA	NA
N-Nitrosodiphenylamine	2.1	SSGW	NA	NA	NA	NA
Pentachlorophenol	1.7	SSGW	NA	NA	NA	NA
Phenanthrene	660	SSGW	0.0178	<0.00600	<0.00600	<0.00600
Phenol	11	SSGW	NA	NA	NA	NA
Pyrene	230	SSni	0.0185	<0.00600	<0.00600	<0.00600
1,2,4,5-Tetrachlorobenzene	1.2	SSni	NA	NA	NA	NA
2,3,4,6-Tetrachlorophenol	31	SSGW	NA	NA	NA	NA
2,4,5-Trichlorophenol	320	SSGW	NA	NA	NA	NA
2,4,6-Trichlorophenol	1.3	SSGW	NA	NA	NA	NA

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier											
			B-1 (0-2)	B-1 (2-4)	B-1 (7-9)	B-1 (14-16)	B-2 (0-2)	B-2 (3-5)	B-2 (5-7)	B-2 (14-16)	B-3 (0-4)	B-3 (7-9)	B-3 (14-16)	B-4 (0-2)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/12/2023	9/12/2023	9/12/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)														
Antimony	3.1	SSni	0.45 J	<2.1	<1.9	<2.9	<2.1	0.55 J	<2.0	<2.5	NA	NA	NA	<2.1
Arsenic	12	SSni	3.4	2.9	2.8	2.2	3.3	4.7	7.3	2.4	3.2	2.1	3.9	4.1
Barium	550	SSni	151	148	129	75.0	173	159	175	80.2	161	105	110	147
Beryllium	8	SSGW	0.71	0.66	0.34	0.21 J	0.85	0.66	0.68	0.28 J	NA	NA	NA	0.69
Cadmium	3.9	SSni	<0.34	<0.34	0.17 J	<0.49	<0.35	<0.35	<0.33	<0.42	<0.45	<0.35	<0.46	<0.35
Chromium	100	MO-1 LRS	17.6	15.6	11.1	7.5	20.2	18.7	16.0	8.3	19.1	11.4	12.0	20.3
Cobalt	470	SSni	5.5	5.0	6.2	4.5	6.7	7.2	7.9	4.4	NA	NA	NA	7.2
Copper	310	SSni	14.7	11.7	9.8	5.0	18.2	13.2	16.5	7.2	NA	NA	NA	16.7
Lead	100	SSGW	11.7	11.7	6.9	4.8	13.5	10.5	10.8	5.4	14.2	6.8	7.4	15.8
Nickel	160	SSni	16.4	14.1	14.8	9.8	16.4	13.8	15.0	10.0	NA	NA	NA	22.3
Mercury	2.3	SSni	0.03	0.037	0.026	<0.020	0.034	0.034	0.025	0.014	0.028	0.019	0.016	0.058
Selenium	20	SSGW	<1.4	0.41 J	<1.3	<2.0	<1.4	<1.4	0.53 J	<1.7	<1.8	<1.4	<1.9	<1.4
Silver	39	SSni	<0.68	<0.68	<0.64	<0.98	<0.69	<0.69	<0.66	<0.85	<0.89	<0.7	<0.93	<0.70
Thallium	4	MO-1 LRS	<0.34	0.29 J	0.38	<0.49	0.43	0.59	0.39	<0.42	NA	NA	NA	<0.35
Vanadium	55	SSni	35.1	32.6	20.4	15.0	37.8	34.1	30.7	16.4	NA	NA	NA	32.4
Zinc	2300	SSni	54.7	48.5	36.8	26.2	64.8	50.7	48.6	28.7	NA	NA	NA	53.4
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)														
Aliphatics C6-C8	1200	SSni	<4270	<4050	<4300	<4240	<4160	<4090	<4140	<4200	NA	NA	NA	<4.280
Aliphatics <C8-C10	120	SSni	<3510	<3330	<3540	<3490	<3420	<3370	<3410	<3460	NA	NA	NA	<3.530
Aromatics <C8-C10	65	SSni	<3510	<3330	<3540	<3490	<3420	<3370	<3410	<3460	NA	NA	NA	<3.530
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)														
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	2.62 J
Aliphatics <C16-C35	7100	SSni	7.37 J	4.21 J	2.20 J	2.47 J	10.6 J	3.84 J	2.63 J	2.22 J	3.87 J	2.83 J	2.75 J	38.7 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	17.3 J
Aromatics <C21-C35	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	32.8

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier									
			B-4 (2-4)	B-4 (6-8)	B-4 (14-16)	B-5 (2-4)	B-5 (5-7)	B-5 (7-9)	B-5 (14-16)	B-6 (2-4)	B-6 (9-11)	B-6 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/11/2023	9/11/2023	9/11/2023	9/11/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)												
Antimony	3.1	SSni	<2.7	<2.1	<0.34	<1.9	<1.7	<1.5	<2.8	NA	NA	NA
Arsenic	12	SSni	3.1	2.2	3.3	6.9	3.8	1.8	2.1	3.0	1.4	3.0
Barium	550	SSni	134	111	86.4	130	104	107	89.8	137	104	93.4
Beryllium	8	SSGW	0.56	0.34 J	0.28 J	0.73	0.40	0.32	0.22 J	NA	NA	NA
Cadmium	3.9	SSni	<0.45	<0.36	<0.053	<0.32	<0.28	<0.26	<0.46	<0.39	<0.26	<0.29
Chromium	100	MO-1 LRS	15.7	11.3	9.8	17.5	11.6	10.1	9.2	15.2	10.9	9.9
Cobalt	470	SSni	6.7	5.0	4.6	9.1	4.9	4.8	4.5	NA	NA	NA
Copper	310	SSni	13.7	9.6	7	13.8	8.9	7.8	6.1	NA	NA	NA
Lead	100	SSGW	9.9	7.4	5.8	12.8	7.7	6.8	5.5	16.5	6.3	6.6
Nickel	160	SSni	15.0	13.0	11.1	17.8	12.3	12.3	10.7	NA	NA	NA
Mercury	2.3	SSni	0.025	0.020	0.013	0.025	0.015 J	0.014 J	0.011 J	0.028	0.013 J	0.013 J
Selenium	20	SSGW	<1.8	<1.4	<0.44	0.48 J	<1.1	0.50 J	0.61 J	0.96 J	<0.30	0.40 J
Silver	39	SSni	<0.89	<0.71	<0.19	<0.63	<0.56	<0.52	<0.93	0.32 J	<0.13	<0.57
Thallium	4	MO-1 LRS	<0.45	<0.36	<0.29	0.93	<0.28	0.25 J	<0.46	NA	NA	NA
Vanadium	55	SSni	28.4	18.4	16.3	36.2	23.6	18.2	16.6	NA	NA	NA
Zinc	2300	SSni	47.6	31.7	28.9	54.3	34.5	31.4	28.8	NA	NA	NA
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)												
Aliphatics C6-C8	1200	SSni	<3.730	<4.070	NA	<3.34	<3.63	<4.07	<3.78	<3.70	<3.81	<4.00
Aliphatics <C8-C10	120	SSni	<3.070	<3.350	NA	<2.75	<2.99	<3.35	<3.11	<3.05	<3.14	<3.30
Aromatics <C8-C10	65	SSni	<3.070	<3.350	NA	<2.75	<2.99	<3.35	<3.11	<3.05	<3.14	<3.30
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)												
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C16-C35	7100	SSni	2.72 J	2.33 J	2.44 J	3.83 J	2.39 J	2.19 J	2.91 J	3.52 J	2.72 J	2.65 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C21-C35	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier								
			DUP 1 B-6 (14-16)	B-7 (4-6)	B-7 (7-9)	B-7 (14-16)	B-8 (0-2)	B-8 (4-6)	B-8 (6-8)	B-8 (14-16)	B-9 (0-2)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)											
Antimony	3.1	SSni	NA	NA	NA	NA	1.2 J	<2.1	<2.7	<2.0	NA
Arsenic	12	SSni	2.2	2.3	2.1	2.3	4.4	3.4	2.5	3.0	6.3
Barium	550	SSni	81.3	139	107	104	136	126	124	115	148
Beryllium	8	SSGW	NA	NA	NA	NA	0.45 J	0.46	0.42 J	0.38	NA
Cadmium	3.9	SSni	<0.27	<0.5	<0.45	<0.46	<0.46	<0.36	<0.45	<0.33	<0.43
Chromium	100	MO-1 LRS	8.2	15.1	12.8	12.5	18.5	14.5	13.6	11.8	15.4
Cobalt	470	SSni	NA	NA	NA	NA	6.0	7.8	5.6	5.7	NA
Copper	310	SSni	NA	NA	NA	NA	32.5	8.8	9.9	9.9	NA
Lead	100	SSGW	5.2	8.9	8.4	8.1	66.8	8.4	8.4	7.6	17.9
Nickel	160	SSni	NA	NA	NA	NA	19.1	13.5	13.8	13.6	NA
Mercury	2.3	SSni	0.011 J	0.025	0.017 J	0.016	0.043	0.022	0.021	0.017	0.03
Selenium	20	SSGW	0.66 J	<2.0	<1.8	<1.9	<1.9	<1.4	<1.8	<1.3	0.59 J
Silver	39	SSni	<0.54	<1.0	<0.89	<0.93	<0.93	<0.71	<0.89	<0.67	<0.86
Thallium	4	MO-1 LRS	NA	NA	NA	NA	<0.46	<0.36	<0.45	0.26 J	NA
Vanadium	55	SSni	NA	NA	NA	NA	23.8	24.2	23.2	20.1	NA
Zinc	2300	SSni	NA	NA	NA	NA	73.4	41.4	37.9	35.7	NA
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)											
Aliphatics C6-C8	1200	SSni	<4.01	NA	NA	NA	<4.240	<3.970	<3.720	<4.530	<4.020
Aliphatics <C8-C10	120	SSni	<3.30	NA	NA	NA	<3.490	<3.270	<3.060	<3.730	<3.310
Aromatics <C8-C10	65	SSni	<3.30	NA	NA	NA	<3.490	<3.270	<3.060	<3.730	<3.310
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)											
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C16-C35	7100	SSni	2.37 J	3.15 J	2.13 J	2.96 J	7.13 J	2.23 J	2.56 J	2.15 J	3.41 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C21-C35	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier								
			B-9 (5-7)	B-9 (14-16)	B-10 (0-2)	B-10 (2-4)	B-10 (5-7)	B-10 (14-16)	B-11 (0-2)	B-11 (5-7)	B-11 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/13/2023	9/13/2023	9/13/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)											
Antimony	3.1	SSni	NA	NA	<2.6	<2.9	0.41 J	<2.2	NA	NA	NA
Arsenic	12	SSni	2.5	1.8	4.2	2.2	6.1	2.2	2.4	3.3	4.9
Barium	550	SSni	153	96.4	134	155	126	104	122	119	109
Beryllium	8	SSGW	NA	NA	0.65	0.64	0.44	0.33 J	NA	NA	NA
Cadmium	3.9	SSni	<0.42	<0.49	<0.44	<0.49	<0.42	<0.37	<0.34	<0.47	<0.48
Chromium	100	MO-1 LRS	11.9	9.7	17.3	17.8	14.0	10.9	14.3	12.4	12.4
Cobalt	470	SSni	NA	NA	7.1	7.2	7.1	5.0	NA	NA	NA
Copper	310	SSni	NA	NA	19.4	13.7	9.9	8.3	NA	NA	NA
Lead	100	SSGW	6.5	5.9	18.5	10.3	8.5	6.2	7.6	7.6	8.1
Nickel	160	SSni	NA	NA	16.8	15.1	13.9	11.9	NA	NA	NA
Mercury	2.3	SSni	0.027	0.018	0.063	0.026	0.025	0.018	0.027	0.026	0.026
Selenium	20	SSGW	0.83 J	<2.0	0.98 J	<2.0	<1.7	<1.5	<1.4	0.60 J	<1.9
Silver	39	SSni	<0.85	<0.98	<0.88	<0.98	<0.83	<0.75	<0.68	<0.94	<0.96
Thallium	4	MO-1 LRS	NA	NA	<0.44	0.58	<0.42	0.36 J	NA	NA	NA
Vanadium	55	SSni	NA	NA	33.4	33.9	25.1	19.8	NA	NA	NA
Zinc	2300	SSni	NA	NA	63.1	50.9	39.9	33.2	NA	NA	NA
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)											
Aliphatics C6-C8	1200	SSni	<4.200	<4.340	<4.230	<3.640	<3.680	<4.150	NA	NA	NA
Aliphatics <C8-C10	120	SSni	<3.460	<3.570	<3.490	<3.000	<3.030	<3.420	NA	NA	NA
Aromatics <C8-C10	65	SSni	<3.460	<3.570	<3.490	<3.000	<3.030	<3.420	NA	NA	NA
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)											
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	1.78 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C16-C35	7100	SSni	2.50 J	2.30 J	15.1 J	2.59 J	2.18 J	2.09 J	2.47 J	2.37 J	3.39 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C21-C35	180	SSGW	<25.0	<25.0	3.04 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier								
			B-12 (0-2)	B-12 (2-4)	B-12 (5-7)	B-12 (14-16)	B-13 (0-2)	B-13 (2-4)	B-13 (7-9)	B-13 (14-16)	B-14 (0-2)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/14/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)											
Antimony	3.1	SSni	<2.3	<1.9	<3.0	<2.3	<2.7	<2.1	<2.3	<2.3	NA
Arsenic	12	SSni	2.7	1.9	2.3	3.6	2.5	2.6	2.8	3.3	7.4
Barium	550	SSni	141	133	112	92.1	127	133	130	75.8	135
Beryllium	8	SSGW	0.71	0.60	0.34 J	0.32 J	0.38 J	0.49	0.46	0.23 J	NA
Cadmium	3.9	SSni	<0.38	<0.32	<.50	<0.38	<0.45	<0.36	<0.39	<0.39	<0.93
Chromium	100	MO-1 LRS	19.2	17.1	12.4	10.4	15.4	13.8	13.6	8.2	12.9
Cobalt	470	SSni	6.9	5.4	5.5	5.0	4.8	4.7	7.3	4.2	NA
Copper	310	SSni	14.0	12.5	8.9	8.2	13.6	10.8	12.2	5.9	NA
Lead	100	SSGW	13.5	9.9	6.6	6.4	26.0	25.6	9.8	5.2	64.8
Nickel	160	SSni	16.1	13.4	12.1	11.7	13.9	11.7	16.0	9.8	NA
Mercury	2.3	SSni	0.043	0.043	0.044	0.058	0.038	0.034	0.03	0.026	0.065
Selenium	20	SSGW	<1.5	<1.3	0.82 J	0.49 J	1.1 J	<1.4	<1.6	<1.6	1.7 J
Silver	39	SSni	<0.76	<0.64	<1.0	<0.76	<0.91	<0.71	<0.78	<0.78	<1.9
Thallium	4	MO-1 LRS	0.45	0.28 J	<0.50	0.36 J	1.1	0.28 J	<0.39	<0.39	NA
Vanadium	55	SSni	35.8	28.9	21.5	17.8	21.6	28.2	27.7	14.2	NA
Zinc	2300	SSni	62.2	50.6	35.1	31.5	46.5	50.6	40.7	25.6	NA
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)											
Aliphatics C6-C8	1200	SSni	<4.000	<3.990	<4.140	<4.380	<3.390	<3.910	<4.290	<4.070	NA
Aliphatics <C8-C10	120	SSni	<3.300	<3.280	<3.410	<3.610	<2.800	<3.220	<3.540	<3.350	NA
Aromatics <C8-C10	65	SSni	<3.300	<3.280	<3.410	<3.610	<2.800	<3.220	<3.540	<3.350	NA
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)											
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	<25.0	1.71 J	1.70 J	1.78 J	<25.0	<25.0	<25.0
Aliphatics <C16-C35	7100	SSni	3.31 J	5.87 J	<100	3.58 J	3.49 J	6.50 J	3.09 J	2.95 J	2.89 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	2.61 J	<25.0	<25.0	<25.0
Aromatics <C21-C35	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	5.66 J	<25.0	<25.0	<25.0

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier									
			B-14 (5-7)	B-14 (14-16)	B-14 (0-2) DUP	B-15 (0-2)	B-15 (2-4)	B-15 (6-8)	B-15 (14-16)	B-16 (0-2)	B-16 (2-4)	B-16 (9-11)
			9/14/2023	9/14/2023	9/14/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)												
Antimony	3.1	SSni	NA	NA	NA	<4.8	<5.1	<4.6	<4.1	<5.4	<4.2	<4.6
Arsenic	12	SSni	3.7	2.4	3.4	3.5	1.9	4.2	3.7	4.9	2.7	2.1
Barium	550	SSni	116	105	134	178	166	175	100	130	151	129
Beryllium	8	SSGW	NA	NA	NA	0.68 J	0.53 J	0.39 J	0.20 J	0.24 J	0.75	0.28 J
Cadmium	3.9	SSni	<0.71	<0.77	<0.86	<0.81	<0.85	<0.77	ND	<0.89	<0.70	<0.77
Chromium	100	MO-1 LRS	12.4	16.6	11.8	21.6	17.9	15.7	9.7	26.2	21.1	13.7
Cobalt	470	SSni	NA	NA	NA	7.8	5.9	7.9	5.1	6.1	5.6	6.2
Copper	310	SSni	NA	NA	NA	26.0	12.7	11.2	8.9	16.4	12.2	9.7
Lead	100	SSGW	7.7	7.2	47.8	20.8	12.0	9.2	6.8	31.3	12.1	7.9
Nickel	160	SSni	NA	NA	NA	20.1	15.6	15.1	11.7	32.5	15.2	13.1
Mercury	2.3	SSni	0.018	0.016	0.071	0.026	0.025	0.027	0.012 J	0.044	0.029	0.021
Selenium	20	SSGW	<2.9	<3.1	1.8 J	1.2 J	1.1 J	<3.1	0.92 J	1.3 J	1.1 J	<3.1
Silver	39	SSni	<1.4	<1.5	<1.7	<1.6	<1.7	<1.5	<1.4	<1.8	<1.4	<1.5
Thallium	4	MO-1 LRS	NA	NA	NA	<0.81	<0.85	<0.77	<0.68	<0.89	<0.70	<0.77
Vanadium	55	SSni	NA	NA	NA	37.1	32.9	28.5	17.1	22.8	36.7	22.1
Zinc	2300	SSni	NA	NA	NA	77.1	50.1	46.0	30.9	59.4	60.2	37.3
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)												
Aliphatics C6-C8	1200	SSni	NA	NA	NA	<3.740	<3.660	<3.790	<4.470	<3.630	<4.220	4.16
Aliphatics <C8-C10	120	SSni	NA	NA	NA	<3.080	<3.010	<3.120	<3.680	<2.990	<3.480	3.42
Aromatics <C8-C10	65	SSni	NA	NA	NA	<3.080	<3.010	<3.120	<3680	<2.990	<3.480	3.42
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)												
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C16-C35	7100	SSni	2.24 J	2.79 J	2.64 J	2.95 J	2.57 J	2.39 J	2.88 J	2.48 J	2.56 J	2.18 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C21-C35	180	SSGW	<25.0	<25.0	2.19 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier									
			B-16 (14-16)	B-17 (0-2)	B-17 (6-8)	B-17 (14-16)	B-18 (0-2)	B-18 (2-4)	B-18 (4-6)	B-18 (14-16)	B-19 (0-4)	B-19 (0-4) DUP
			9/15/2023	9/14/2023	9/14/2023	9/14/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)												
Antimony	3.1	SSni	<5.0	NA	NA	NA	<2.5	<2.3	<2.1	<1.9	NA	NA
Arsenic	12	SSni	2.6	3.0	3.3	4.8	3.5	2.5	5.5	2.8	6.0	3.7
Barium	550	SSni	125	176	189	121	171	153	206	115	147	132
Beryllium	8	SSGW	0.25 J	NA	NA	NA	0.57	0.70	0.65	0.31 J	NA	NA
Cadmium	3.9	SSni	<0.83	<0.81	<0.85	<0.74	<0.42	<0.38	<0.35	<0.31	<0.43	<0.38
Chromium	100	MO-1 LRS	11.8	33.4	19.0	12.9	15.9	18.2	18.5	10.6	21.8	22.4
Cobalt	470	SSni	6.0	NA	NA	NA	7.8	5.8	8.4	5.3	NA	NA
Copper	310	SSni	11.1	NA	NA	NA	25.1	11.2	13.9	9.3	NA	NA
Lead	100	SSGW	7.5	27.3	11.5	9.0	25.8	12.4	11.5	6.8	36.4	25.6
Nickel	160	SSni	12.9	NA	NA	NA	15.4	13.2	18.3	11.6	NA	NA
Mercury	2.3	SSni	0.022	0.038	0.034	0.023	0.036	0.028	0.030	0.017	0.037	0.032
Selenium	20	SSGW	1.1 J	0.96 J	1.3 J	0.95 J	0.92 J	0.57 J	0.87 J	0.65 J	<1.7	0.57 J
Silver	39	SSni	<1.7	<1.6	<1.7	<1.5	<0.85	<0.77	<0.69	<0.62	<0.86	<0.77
Thallium	4	MO-1 LRS	<0.83	NA	NA	NA	<0.42	<0.38	<0.35	<0.31	NA	NA
Vanadium	55	SSni	21.7	NA	NA	NA	31.5	35.7	35.0	19.1	NA	NA
Zinc	2300	SSni	36.3	NA	NA	NA	69.4	59.1	55.4	33.9	NA	NA
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)												
Aliphatics C6-C8	1200	SSni	<5.160	NA	NA	NA	<4.180	<4.240	<4.170	<4.160	NA	NA
Aliphatics <C8-C10	120	SSni	<4.250	NA	NA	NA	<3.440	<3.490	<3.430	<3.420	NA	NA
Aromatics <C8-C10	65	SSni	<4.250	NA	NA	NA	<3.440	<3.490	<3.430	<3.420	NA	NA
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)												
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C16-C35	7100	SSni	2.80 J	11.0 J	2.60 J	2.35 J	2.81 J	3.27 J	3.74 J	3.72 J	14.4 J	1.89 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	19.9 J
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	3.11 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C21-C35	180	SSGW	<25.0	7.44 J	<25.0	<25.0	2.13 J	<25.0	<25.0	<25.0	3.25 J	4.48 J

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 5
Soil Analytical Results -Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, LA
Terracon Project No ET237079

Parameter	Limiting Standard (mg/kg)	Option Used	Sample Identifier					
			B-19 (5-7)	B-19 (14-16)	B-20 (0-2)	B-20 (2-4)	B-20 (5-7)	B-20 (14-16)
			9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023	9/15/2023
			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
RECAP Metals (6010/7041)								
Antimony	3.1	SSni	NA	NA	<5.9	<4.2	<4.8	<4.4
Arsenic	12	SSni	1.5	3.8	2.3	3.0	2.6	2.3
Barium	550	SSni	147	122	138	211	110	124
Beryllium	8	SSGW	NA	NA	0.60 J	0.35 J	0.23 J	0.34 J
Cadmium	3.9	SSni	<0.45	<0.49	<0.98	<0.69	<0.79	<0.74
Chromium	100	MO-1 LRS	13.4	11.8	19.1	16.2	10.5	13.8
Cobalt	470	SSni	NA	NA	6.2	6.9	5.5	6.1
Copper	310	SSni	NA	NA	20.0	10.6	8.3	13.2
Lead	100	SSGW	8.2	8.3	14.1	8.9	7.3	9.4
Nickel	160	SSni	NA	NA	15.8	15.7	11.8	14.2
Mercury	2.3	SSni	0.023	0.023	0.031	0.021	0.011 J	0.016
Selenium	20	SSGW	<1.8	0.88 J	1.3 J	<2.8	<3.2	0.96 J
Silver	39	SSni	<0.89	<0.98	<2.0	<1.4	<1.6	<1.5
Thallium	4	MO-1 LRS	NA	NA	<0.98	<0.69	<0.79	<0.74
Vanadium	55	SSni	NA	NA	35.4	25.5	21.3	25.5
Zinc	2300	SSni	NA	NA	57.5	45.6	29.0	44.1
Volatile Petroleum Hydrocarbons (MADEP VPH REV 1.1)								
Aliphatics C6-C8	1200	SSni	NA	NA	<4.270	<3.640	<3.750	<4.360
Aliphatics <C8-C10	120	SSni	NA	NA	<3.510	<3.000	<3.090	<3.590
Aromatics <C8-C10	65	SSni	NA	NA	<3.510	<3.000	<3.090	<3.590
Extractable Petroleum Hydrocarbons (MADEP EPH REV 1.1)								
Aliphatics <C10-C12	230	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C12-C16	370	SSni	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aliphatics <C16-C35	7100	SSni	2.33 J	2.56 J	6.24 J	2.81 J	2.52 J	2.85 J
Aromatics <C10-C12	100	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C12-C16	180	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C16-C21	150	SSGW	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Aromatics <C21-C35	180	SSGW	<25.0	<25.0	4.09 J	<25.0	<25.0	<25.0

Notes:

RECAP Ssni	Soil RECAP screening standard for non-industrial sites
RECAP SSgw	RECAP screening standard for soil protective of groundwater
MO-1 LRS	MO-1 Limiting RECAP Standard
<	Less than the laboratory reporting limit
	Indicates exceedance of Limiting Standard
NA	Not Analyzed

Table 6
Groundwater Analtyical Results - VOC
JM3-JM5 Parcels
Marrero, Louisiana
Terracon Project No ET237079

Parameter	RECAP GW_SS	Option Used	Sample Identifier																	
			TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-7	TW-8	TW-9	TW-10	TW-11	TW-12	TW-13	TW-14	TW-15	TW-16	TW-17	TW-17 DUP
			9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/20/2023	9/20/2023
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Volatile Organic Compounds (5030B/8260)																				
Acetone	0.1	GW_SS	<0.0040	<0.0040	NA	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	<0.0040	NA	0.0076	<0.0040	NA	0.0053	<0.0040	NA	NA
Benzene	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Bromodichloromethane	0.1	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Bromoform	0.1	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	NA
Bromomethane	0.01	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Carbon disulfide	0.1	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	0.0013	0.00053 J	NA	<0.0010	0.00068 J	NA	NA
Carbon tetrachloride	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Chlorobenzene	0.1	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Chloroethane	0.01	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Chloroform	0.1	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Chloromethane	0.01	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Dibromochloromethane	0.1	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
1,2-Dibromo-3-chloropropane	0.0002	GW_SS	<0.00020	<0.00020	NA	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	NA	<0.00020	<0.00020	NA	<0.00020	<0.00020	NA	NA
1,1-Dichloroethane	0.081	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
1,2-Dichloroethane	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
1,1-Dichloroethene	0.007	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
cis-1,2-Dichloroethene	0.07	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	NA
trans-1,2-Dichloroethene	0.1	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
1,2-Dichloropropane	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
cis-1,3-Dichloropropene	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
trans-1,3-Dichloropropene	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Ethylbenzene	0.7	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Isobutanol	1.1	GW_SS	<0.050	<0.050	NA	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	NA	<0.050	<0.050	NA	<0.050	<0.050	NA	NA
Methylene Chloride	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
2-Butanone (MEK)	0.19	GW_SS	<0.0020	<0.0020	NA	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	NA	<0.0020	<0.0020	NA	NA
4-Methyl-2-pentanone (MIBK)	0.2	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	NA
Methyl-tert-butyl ether	0.02	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Styrene	0.1	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	NA
1,1,1,2-Tetrachloroethane	0.005	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	NA
1,1,2,2-Tetrachloroethane	0.0005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Tetrachloroethene	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Toluene	1	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
1,2,4-Trichlorobenzene	0.07	GW_SS	<0.0020	<0.0020	NA	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	NA	<0.0020	<0.0020	NA	NA
1,1,1-Trichloroethane	0.2	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
1,1,2-Trichloroethane	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Trichloroethene	0.005	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
Trichlorofluoromethane	0.13	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	NA
Vinyl chloride	0.002	GW_SS	<0.00050	<0.00050	NA	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	<0.00050	<0.00050	NA	NA
m&p-Xylene	10	GW_SS	<0.0020	<0.0020	NA	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	<0.0020	NA	<0.0020	<0.0020	NA	NA
o-Xylene	10	GW_SS	<0.0010	<0.0010	NA	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	<0.0010	<0.0010	NA	NA

Notes

RECAP GW SS	RECAP groundwater screening standard
	Indicates exceedance of RECAP GW SS
<	Detected less than the laboratory reporting limit
NA	Not analyzed

Table 6
Groundwater Analtyical Results - VOC
JM3-JM5 Parcels
Marrero, Louisiana
Terracon Project No ET237079

Parameter	RECAP GW_SS	Option Used	Sample Identifier		
			TW-18	TW-19	TW-20
			9/20/2023	9/20/2023	9/20/2023
			mg/L	mg/L	mg/L
Volatile Organic Compounds (5030B/8260)					
Acetone	0.1	GW_SS	<0.0040	NA	<0.0040
Benzene	0.005	GW_SS	<0.00050	NA	<0.00050
Bromodichloromethane	0.1	GW_SS	<0.00050	NA	<0.00050
Bromoform	0.1	GW_SS	<0.0010	NA	<0.0010
Bromomethane	0.01	GW_SS	<0.00050	NA	<0.00050
Carbon disulfide	0.1	GW_SS	<0.0010	NA	<0.0010
Carbon tetrachloride	0.005	GW_SS	<0.00050	NA	<0.00050
Chlorobenzene	0.1	GW_SS	<0.00050	NA	<0.00050
Chloroethane	0.01	GW_SS	<0.00050	NA	<0.00050
Chloroform	0.1	GW_SS	<0.00050	NA	<0.00050
Chloromethane	0.01	GW_SS	<0.00050	NA	<0.00050
Dibromochloromethane	0.1	GW_SS	<0.00050	NA	<0.00050
1,2-Dibromo-3-chloropropane	0.0002	GW_SS	<0.00020	NA	<0.00020
1,1-Dichloroethane	0.081	GW_SS	<0.00050	NA	<0.00050
1,2-Dichloroethane	0.005	GW_SS	<0.00050	NA	<0.00050
1,1-Dichloroethene	0.007	GW_SS	<0.00050	NA	<0.00050
cis-1,2-Dichloroethene	0.07	GW_SS	<0.0010	NA	<0.0010
trans-1,2-Dichloroethene	0.1	GW_SS	<0.00050	NA	<0.00050
1,2-Dichloropropane	0.005	GW_SS	<0.00050	NA	<0.00050
cis-1,3-Dichloropropene	0.005	GW_SS	<0.00050	NA	<0.00050
trans-1,3-Dichloropropene	0.005	GW_SS	<0.00050	NA	<0.00050
Ethylbenzene	0.7	GW_SS	<0.00050	NA	<0.00050
Isobutanol	1.1	GW_SS	<0.050	NA	<0.050
Methylene Chloride	0.005	GW_SS	<0.00050	NA	<0.00050
2-Butanone (MEK)	0.19	GW_SS	<0.0020	NA	<0.0020
4-Methyl-2-pentanone (MIBK)	0.2	GW_SS	<0.0010	NA	<0.0010
Methyl-tert-butyl ether	0.02	GW_SS	<0.00050	NA	<0.00050
Styrene	0.1	GW_SS	<0.0010	NA	<0.0010
1,1,1,2-Tetrachloroethane	0.005	GW_SS	<0.0010	NA	<0.0010
1,1,2,2-Tetrachloroethane	0.0005	GW_SS	<0.00050	NA	<0.00050
Tetrachloroethene	0.005	GW_SS	<0.00050	NA	<0.00050
Toluene	1	GW_SS	<0.00050	NA	<0.00050
1,2,4-Trichlorobenzene	0.07	GW_SS	<0.0020	NA	<0.0020
1,1,1-Trichloroethane	0.2	GW_SS	<0.00050	NA	<0.00050
1,1,2-Trichloroethane	0.005	GW_SS	<0.00050	NA	<0.00050
Trichloroethene	0.005	GW_SS	<0.00050	NA	<0.00050
Trichlorofluoromethane	0.13	GW_SS	<0.0010	NA	<0.0010
Vinyl chloride	0.002	GW_SS	<0.00050	NA	<0.00050
m&p-Xylene	10	GW_SS	<0.0020	NA	<0.0020
o-Xylene	10	GW_SS	<0.0010	NA	<0.0010

Notes

RECAP GW SS	RECAP groundwater screening standard
	Indicates exceedance of RECAP GW SS
<	Detected less than the laboratory reporting limit
NA	Not analyzed

Table 7
Groundwater Analtyical Results- SVOC/PAH
JM3-JM5 Parcels
Marrero, Louisiana
Terracon Project No ET237079

Parameter	RECAP GW_SS	Option Used	Sample Identifier																			
			TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-7	TW-8	TW-9	TW-10	TW-11	TW-12	TW-13	TW-14	TW-15	TW-16	TW-17	TW-17 DUP	TW-18	TW-19	TW-20
			9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Semi-Volatile Organic Compounds (SW846 8270D)																							
Acenaphthene	0.037	GW_SS	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.000131 J	<0.000500	0.00144	0.00749	<0.000500	<0.00100	0.000813 J	<0.000500	<0.000500	<0.00100	<0.000500	0.0143
Acenaphthylene	0.1	GW_SS	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.000141 J
Aniline	0.012	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Anthracene	0.043	GW_SS	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	0.000193 J	<0.000500	<0.00100	0.000116 J	<0.000500	<0.000500	<0.00100	<0.000500	0.00358
Benzo(a)anthracene	0.0078	GW_SS	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.00258
Benzo(a)pyrene	3.45	MO-1 LRS	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.000566 J
Benzo(b)fluoranthene	0.0048	GW_SS	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.00107
Benzo(k)fluoranthene	0.0025	GW_SS	<0.00100	<0.00100	<0.000250	<0.00100	<0.00100	<0.000250	<0.000250	<0.00100	<0.000250	<0.00100	<0.000250	<0.00100	<0.00100	<0.000250	<0.00100	<0.00100	<0.000250	<0.000250	<0.00100	<0.000250	0.000357 J
Biphenyl (Diphenyl)	0.23	MO-1 LRS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	0.00318 J	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	0.00308 J
bis(2-Chloroethyl) ether	0.0057	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2,2'-Oxybis(1-chloropropane)	0.0057	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
bis(2-Ethylhexyl)phthalate	0.006	GW_SS	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300	NA	<0.00300	<0.00300	NA	0.00199 J	<0.00300	NA	NA	<0.00300	NA	<0.00300
Butylbenzylphthalate	0.73	GW_SS	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300	NA	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300
4-Chloroaniline	0.02	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2-Chloronaphthalene	0.049	GW_SS	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100
2-Chlorophenol	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Chrysene	0.00057	MO-1 LRS	<0.00100	<0.00100	<0.0000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.00226
Dibenz(a,h)anthracene	0.0025	GW_SS	<0.00100	<0.00100	<0.0000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.000612 J
Dibenzofuran	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	0.000706 J	0.00368 J	NA	<0.0100	0.000468 J	NA	NA	<0.0100	NA	0.00939 J
1,2-Dichlorobenzene	0.6	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
1,3-Dichlorobenzene	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
1,4-Dichlorobenzene	0.075	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
3,3'-Dichlorobenzidine	0.02	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2,4-Dichlorophenol	0.011	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Diethylphthalate	2.9	GW_SS	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300	NA	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300
2,4-Dimethylphenol	0.073	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Dimethylphthalate	37	GW_SS	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300	NA	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300
Di-n-octylphthalate	0.02	GW_SS	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300	NA	<0.00300	<0.00300	NA	<0.00300	<0.00300	NA	NA	<0.00300	NA	<0.00300
1,3-Dinitrobenzene	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2,4-Dinitrophenol	0.05	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2,4-Dinitrotoluene	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2,6-Dinitrotoluene	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Dinoseb	0.007	GW_SS	<0.0500	<0.0500	NA	<0.0500	<0.0500	NA	NA	<0.0500	NA	<0.0500	NA	<0.0500	<0.0500	NA	<0.0500	<0.0500	NA	NA	<0.0500	NA	<0.0500
Fluoranthene	0.15	GW_SS	<0.00100	<0.00100	0.0000134 J	<0.00100	<0.00100	0.0000216 J	<0.0000500	<0.00100	<0.0000500	<0.00100	<0.0000500	0.000164 J	0.000394 J	0.0000117 J	<0.00100	0.000571 J	<0.0000500	<0.0000500	<0.00100	<0.0000500	0.0186
Fluorene	0.024	GW_SS	<0.00100	<0.00100	<0.0000500	<0.00100	<0.00100	<0.0000500	<0.0000500	<0.00100	<0.0000500	<0.00100	<0.0000500	0.000332 J	0.00167	<0.0000500	<0.00100	0.000306 J	<0.0000500	<0.0000500	<0.00100	<0.0000500	0.00793
Hexachloro-1,3-butadiene	0.00074	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Hexachlorobenzene	0.001	GW_SS	<0.00100	<0.00100	NA	<0.00100	<0.00100	NA	NA	<0.00100	NA	<0.00100	NA	<0.00100	<0.00100	NA	<0.00100	<0.00100	NA	NA	<0.00100	NA	<0.00100
Hexachlorocyclopentadiene	0.05	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Hexachloroethane	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Indeno(1,2,3-cd)pyrene	0.0037	GW_SS	<0.00100	<0.00100	<0.0000500	<0.00100	<0.00100	<0.0000500	<0.0000500	<0.00100	<0.0000500	<0.00100	<0.0000500	<0.00100	<0.00100	<0.0000500	<0.00100	<0.00100	<0.0000500	<0.0000500	<0.00100	<0.0000500	<0.00100
Isophorone	0.07	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2-Methylnaphthalene	0.00062	GW_SS	<0.00100	0.000177 J	<0.000500	<0.00100	<0.00100	<0.000500	<0.000500	<0.00100	<0.000500	0.000460 J	<0.000500	0.00502	0.0258	<0.000500	0.000216 J	0.00247	<0.000500	<0.000500	0.000232 J	<0.000500	0.00981
Naphthalene	0.01	GW_SS	0.000355 J	0.000371 J	<0.0000500	0.000243 J	<0.00100	<0.0000500	<0.0000500	0.000251 J	<0.0000500	0.000910 J	<0.0000500	0.00937	0.0490	<0.0000500	0.000411 J	0.00530	<0.0000500	<0.0000500	0.000565 J	<0.0000500	0.00304
2-Nitroaniline	0.05	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
3-Nitroaniline	0.05	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
4-Nitroaniline	0.05	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Nitrobenzene	0.0019	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
4-Nitrophenol	0.05	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
N-Nitroso-di-n-propylamine	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
N-Nitrosodiphenylamine	0.014	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
Pentachlorophenol	0.001	GW_SS	<0.0100	0.00389 J	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	0.00294 J
Phenanthrene	0.18	GW_SS	<0.00100	<0.00100	<0.0000500	<0.00100	<0.00100	<0.0000500	<0.0000500	<0.00100	<0.0000500	<0.00100	<0.0000500	0.000421 J	0.00150	<0.0000500	0.000116 J	0.000935 J	<0.0000500	<0.0000500	<0.00100	<0.0000500	0.0252
Phenol	0.18	GW_SS	<0.0100	<0.0100	<0.0000500	<0.0100	<0.0100	<0.0000500	<0.0000500	<0.0100	<0.0000500	<0.0100	<0.0000500	<0.0100	<0.0100	<0.0000500	<0.0100	<0.0100	<0.0000500	<0.0000500	<0.0100	<0.0000500	0.00806 J
Pyrene	0.018	GW_SS	<0.00100	<0.00100	NA	<0.00100	<0.00100	NA	NA	<0.00100	NA	<0.00100	NA	0.000107 J	0.000272 J	NA	<0.00100	0.000409 J	NA	NA	<0.00100	NA	0.0117
1,2,4,5-Tetrachlorobenzene	0.0011	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2,3,4,6-Tetrachlorophenol	0.11	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	0.000446 J
2,4,5-Trichlorophenol	0.37	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100
2,4,6-Trichlorophenol	0.01	GW_SS	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100	NA	<0.0100	<0.0100	NA	<0.0100	<0.0100	NA	NA	<0.0100	NA	<0.0100

Notes

RECAP GW SS	RECAP groundwater screening standard
MO-1 LRS	MO-1 Limting RECAP Standard
	Indicates exceedance of Limiting standard
<	Detected less than the laboratory reporting limit
NA	Not analyzed

Table8
Groundwater Analtyical Results- Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, Louisiana
Terracon Project No ET237079

Parameter	RECAP GW_SS	Option Used	Sample Identifier											
			TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-7	TW-8	TW-9	TW-10	TW-11	TW-12
			9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/18/2023	9/19/2023	9/19/2023	9/19/2023	9/19/2023
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Volatile Petroleum Hydrocarbons (MADEP VPH)														
Aliphatic (C06-C08)	3.2	GW_SS	<0.085	<0.085	NA	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	<0.085	NA	<0.085
Aliphatic (<C08-C10)	0.15	GW_SS	<0.070	<0.070	NA	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	NA	<0.070
Aromatic (<C08-C10)	0.15	GW_SS	<0.070	<0.070	NA	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	NA	<0.070
Extraxtable Petroleum Hydrocarbons (MADEP EPH)														
Aliphatic (<C10-C12)	0.15	GW_SS	<0.150	<0.150	<0.150	<0.158	<0.150	<0.158	<0.150	<0.150	<0.158	<0.168	<0.158	<0.152
Aliphatic (<C12-C16)	0.15	GW_SS	<0.150	<0.150	<0.150	<0.158	<0.150	<0.158	<0.150	<0.150	<0.158	<0.168	<0.158	<0.152
Aliphatic (<C16-C35)	7.3	GW_SS	0.141 J	<0.150	<0.150	0.0561 J	<0.150	<0.158	<0.150	<0.150	<0.158	<0.168	0.0543 J	0.0637 J
Aromatic (<C10-C12)	0.15	GW_SS	<0.150	<0.150	<0.150	<0.158	<0.150	<0.158	<0.150	<0.150	<0.158	<0.168	<0.158	<0.152
Aromatic (<C12-C16)	0.15	GW_SS	<0.150	<0.150	<0.150	<0.158	<0.150	<0.158	<0.150	<0.150	<0.158	<0.168	<0.158	<0.152
Aromatic (<C16-C21)	0.15	GW_SS	<0.150	<0.150	<0.150	<0.158	<0.150	<0.158	<0.150	<0.150	<0.158	<0.168	<0.158	<0.152
Aromatic (<C21-C35)	0.15	GW_SS	<0.150	<0.150	<0.150	<0.158	<0.150	<0.158	<0.150	<0.150	<0.158	<0.168	<0.158	<0.152
Dissolved Metals (6020/7041)														
Antimony	0.006	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	NA	<0.0020
Arsenic	0.75	MO-1 LRS	0.042	0.082	0.086	0.11	0.067	0.093	0.065	0.23	0.13	0.059	0.078	0.13
Barium	2.00	GW_SS	0.67	0.37	0.38	0.41	0.38	0.46	0.57	0.84	1.2	0.79	0.80	0.26
Beryllium	0.004	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	NA	<0.0020
Cadmium	0.005	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	0.1	GW_SS	0.0018 J	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Cobalt	0.22	GW_SS	0.0010 J	<0.0020	<0.0020	<0.0020	<0.0020	0.00029 J	0.00030 J	0.00051 J	NA	<0.0020	NA	0.00026 J
Copper	1.3	GW_SS	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	<0.0060	NA	<0.0060	NA	<0.0060
Lead	0.015	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel	0.073	GW_SS	0.0027	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	NA	<0.0020	NA	<0.0020
Selenium	0.05	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Silver	0.018	GW_SS	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0020	<0.0010
Thallium	0.002	GW_SS	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	NA	<0.0010	NA	<0.0010
Vanadium	0.026	GW_SS	0.0024 J	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NA	<0.010	NA	0.00067 J
Zinc	1.10	GW_SS	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NA	<0.020	NA	<0.020
Mercury	0.002	GW_SS	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

Notes

RECAP GW SS	RECAP groundwater screening standard
MO-1 LRS	MO-1 Limiting RECAP Standard
	Indicates exceedance of Limiting Standard
<	Detected less than the laboratory reporting limit
NA	Not analyzed

Table8
Groundwater Analtyical Results- Metals, VPH, EPH
JM3-JM5 Parcels
Marrero, Louisiana
Terracon Project No ET237079

Parameter	RECAP GW_SS	Option Used	Sample Identifier								
			TW-13	TW-14	TW-15	TW-16	TW-17	TW-17 DUP	TW-18	TW-19	TW-20
			9/19/2023	9/19/2023	9/19/2023	9/19/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023	9/20/2023
			mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Volatile Petroleum Hydrocarbons (MADEP VPH)											
Aliphatic (C06-C08)	3.2	GW_SS	<0.085	NA	<0.085	<0.085	NA	NA	<0.085	NA	<0.085
Aliphatic (<C08-C10)	0.15	GW_SS	<0.070	NA	<0.070	<0.070	NA	NA	<0.070	NA	<0.070
Aromatic (<C08-C10)	0.15	GW_SS	<0.070	NA	<0.070	<0.070	NA	NA	<0.070	NA	<0.070
Extraxtable Petroleum Hydrocarbons (MADEP EPH)											
Aliphatic (<C10-C12)	0.15	GW_SS	<0.152	<0.152	<0.150	<0.150	<0.152	<0.152	<0.152	<0.150	<0.153
Aliphatic (<C12-C16)	0.15	GW_SS	<0.152	<0.152	<0.150	<0.150	<0.152	<0.152	<0.152	<0.150	<0.153
Aliphatic (<C16-C35)	7.3	GW_SS	<0.152	<0.152	0.0633 J	0.0566 J	0.0569 J	0.0553 J	0.0534 J	<0.150	0.0569 J
Aromatic (<C10-C12)	0.15	GW_SS	<0.152	<0.152	<0.150	<0.150	<0.152	<0.152	<0.152	<0.150	<0.153
Aromatic (<C12-C16)	0.15	GW_SS	<0.152	<0.152	<0.150	<0.150	<0.152	<0.152	<0.152	<0.150	<0.153
Aromatic (<C16-C21)	0.15	GW_SS	<0.152	<0.152	<0.150	<0.150	<0.152	<0.152	<0.152	<0.150	<0.153
Aromatic (<C21-C35)	0.15	GW_SS	<0.152	<0.152	<0.150	<0.150	<0.152	<0.152	<0.152	<0.150	<0.153
Dissolved Metals (6020/7041)											
Antimony	0.006	GW_SS	<0.0020	NA	<0.0020	<0.0020	NA	NA	<0.0020	NA	<0.0020
Arsenic	0.75	MO-1 LRS	0.078	0.023	0.036	0.013	0.0077	0.011	0.019	0.024	0.026
Barium	2.00	GW_SS	0.41	0.50	0.48	0.33	0.38	0.33	0.23	0.52	0.37
Beryllium	0.004	GW_SS	<0.0020	NA	<0.0020	<0.0020	NA	NA	<0.0020	NA	<0.0020
Cadmium	0.005	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Chromium	0.1	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Cobalt	0.22	GW_SS	0.00035 J	NA	0.0011 J	0.0025	NA	NA	0.00090 J	NA	<0.0020
Copper	1.3	GW_SS	<0.0060	NA	<0.0060	<0.0060	NA	NA	<0.0060	NA	<0.0060
Lead	0.015	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Nickel	0.073	GW_SS	<0.0020	NA	0.0020	0.0053	NA	NA	0.0037	NA	<0.0020
Selenium	0.05	GW_SS	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Silver	0.018	GW_SS	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Thallium	0.002	GW_SS	<0.0010	NA	<0.0010	<0.0010	NA	NA	<0.0010	NA	<0.0010
Vanadium	0.026	GW_SS	0.00054 J	NA	<0.010	0.0012 J	NA	NA	0.00089 J	NA	<0.010
Zinc	1.10	GW_SS	0.017 J	NA	<0.020	<0.020	NA	NA	<0.020	NA	<0.020
Mercury	0.002	GW_SS	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

Notes

RECAP GW SS	RECAP groundwater screening standard
MO-1 LRS	MO-1 Limiting RECAP Standard
	Indicates exceedance of Limiting Standard
<	Detected less than the laboratory reporting limit
NA	Not analyzed

Appendix D
Groundwater Classification Data

Water Wells By LATITUDE / LONGITUDE Report

Latitude	Longitude	Radius Ft	MSG
29.901944444	-90.113333333	5280	Found 112 records

Well Distance Ft	SECTION	TOWNSHIP	RANGE	PARISH_NAME	PARISH_NUM	LOCAL_WELL_NUM	WELL_USE	DESCRIPTION	WELL_STATUS	OWNERS_NUM	OWNERS_NAME	DRILLERS_NAME	WELL_DEPTH	CASING_DIAMETER	DATE_COMPLETED	WATER_LEVEL	DATE_MEASURED	GEOLOGIC_UNIT	LATITUDE	LONGITUDE
526.66	016	13S	23E	JEFFERSON	051	44	N	Industrial	Active	1	JOHNS-MANVILLE	UNKNOWN	788	12X8X6	09/53	80.00	09/21/53	112GZNO	295407	900642
539.34	016	13S	23E	JEFFERSON	051	45	N	Industrial	Active	2	JOHNS-MANVILLE	LAYNE (LA)	793	12X8	09/53	80.00	09/03/53	112GZNO	295406	900654
687.73	016	13S	23E	JEFFERSON	051	5356Z	M	Monitor	Active	MW-8	GENERAL CHEM	FUGRO (GS)	16	2	07/94	2.42	07/25/94	111NORLC	295404	900655
1616.22	016	13S	23E	JEFFERSON	051	5355Z	M	Monitor	Active	MW-7	GENERAL CHEM	FUGRO (GS)	16	2	07/94	3.89	07/25/94	111NORLC	295401	900705
1850.76	016	13S	23E	JEFFERSON	051	5571Z	M	Monitor	Plugged and Abandoned	MW-2	TUBULAR THREAD	GORE	10	2	05/90	1.80	05/17/90	111NORLC	295422	900700
2072.48	007	13S	23E	JEFFERSON	051	6108Z	M	Monitor	Plugged and Abandoned	MW-6	TUBULAR THREAD	GORE	14	10	12/91	0.00		111NORLC	295422	900704
2072.48	007	13S	23E	JEFFERSON	051	6109Z	M	Monitor	Plugged and Abandoned	MW-7	TUBULAR THREAD	GORE	14	10	12/91	0.00		111NORLC	295422	900704
2228.9	007	14S	23E	JEFFERSON	051	5877Z	M	Monitor	Plugged and Abandoned	MW-16	EXXON MOBIL	PSI/PTL	16	4	02/92	4.00	02/21/92	111NORLC	295345	900650
2228.9	007	14S	23E	JEFFERSON	051	5878Z	R	Recovery	Plugged and Abandoned	RW-1	EXXON CO USA	PSI/PTL	14	4	02/92	3.60	02/21/92	111NORLC	295345	900650
2260.62	049	13S	23E	JEFFERSON	051	5570Z	M	Monitor	Plugged and Abandoned	MW-1	TUBULAR THREAD	GORE	10	2	05/90	1.70	05/18/90	111NORLC	295422	900707
2283.7	016	13S	23E	JEFFERSON	051	5573Z	M	Monitor	Plugged and Abandoned	MW-4	TUBULAR THREAD	GORE	10	2	05/90	1.50	05/16/90	111NORLC	295427	900700
2486.31	019	13S	23E	JEFFERSON	051	5967Z	M	Monitor	Active	MW-1	NATIONS BANK	PROFESSIONAL	9	2	04/93	4.00	04/12/93	111NORLC	295354	900624
2626.85	049	13S	23E	JEFFERSON	051	5572Z	M	Monitor	Plugged and Abandoned	MW-3	TUBULAR THREAD	GORE	10	2	05/90	1.30	05/17/90	111NORLC	295427	900707
2730.16	019	13S	23E	JEFFERSON	051	7161Z	M	Monitor	Active	MW-1	MAGELLAN MID	CRA, INC.	12	2	11/07	2.14	11/08/07	00000000	295406	900617
2840.74	007	14S	23E	JEFFERSON	051	5672Z	M	Monitor	Destroyed	MW-15	EXXON CO USA	PSI/PTL	15	4	05/90	2.88	05/16/90	111NORLC	295339	900651
3142.78	007	14S	23E	JEFFERSON	051	5561Z	M	Monitor	Plugged and Abandoned	MW-12A	EXXON CO USA	PSI/PTL	15	4	03/90	4.36	03/12/90	111NORLC	295336	900651
3142.78	006	14S	23E	JEFFERSON	051	5562Z	M	Monitor	Plugged and Abandoned	MW-13	EXXON CO USA	PSI/PTL	15	4	03/90	4.23	03/12/90	111NORLC	295336	900651
3142.78	007	14S	23E	JEFFERSON	051	6815Z	M	Monitor	Plugged and Abandoned	MW-19	EXXON MOBIL	CRA, INC.	14	4	11/01	4.67	12/11/01	111NORLC	295336	900651
3142.78	006	14S	23E	JEFFERSON	051	5563Z	M	Monitor	Plugged and Abandoned	MW-14	EXXON CO USA	PSI/PTL	15	4	03/90	4.23	03/12/90	111NORLC	295336	900651
3210	007	14S	23E	JEFFERSON	051	5442Z	M	Monitor	Active	MW-10	SOUTHLAND CORP	PSI/PTL	16	2	08/89	3.20	08/04/89	111NORLC	295337	900700
3210	007	14S	23E	JEFFERSON	051	5444Z	M	Monitor	Active	MW-12	SOUTHLAND CORP	PSI/PTL	16	2	08/89	3.20	08/04/89	111NORLC	295337	900700
3210	007	14S	23E	JEFFERSON	051	5441Z	M	Monitor	Active	MW-9	SOUTHLAND CORP	PSI/PTL	16	2	08/89	3.20	08/04/89	111NORLC	295337	900700
3210	007	14S	23E	JEFFERSON	051	5443Z	M	Monitor	Active	MW-11	SOUTHLAND CORP	PSI/PTL	12	2	08/89	3.20	08/04/89	111NORLC	295337	900700
3233.83	007	14S	23E	JEFFERSON	051	6221Z	R	Recovery	Plugged and Abandoned	WP-3	EXXON CO USA	G & E	24	2	02/96	4.93	02/14/96	111NORLC	295335	900649
3233.83	007	14S	23E	JEFFERSON	051	6217Z	M	Monitor	Plugged and Abandoned	MW-4A	EXXON CO USA	G & E	25	4	02/96	4.40	02/14/96	111NORLC	295335	900649
3233.83	007	14S	23E	JEFFERSON	051	6218Z	M	Monitor	Plugged and Abandoned	MW-17	EXXON CO USA	G & E	18	4	02/96	4.50	02/14/96	111NORLC	295335	900649
3233.83	007	14S	23E	JEFFERSON	051	6219Z	W	Piezometer	Plugged and Abandoned	PZ-1	EXXON MOBIL	G & E	20	2	02/96	4.89	02/14/96	111NORLC	295335	900649
3233.83	007	14S	23E	JEFFERSON	051	6220Z	W	Piezometer	Plugged and Abandoned	PZ-2	EXXON MOBIL	G & E	20	2	02/96	4.64	02/14/96	111NORLC	295335	900649
3243.51	007	14S	23E	JEFFERSON	051	5291Z	M	Monitor	Plugged and Abandoned	MW-2	EXXON MOBIL	PSI/PTL	15	4	07/88	0.00		111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	5292Z	M	Monitor	Plugged and Abandoned	MW-3	EXXON CO USA	PSI/PTL	15	4	07/88	0.00		111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	5293Z	M	Monitor	Plugged and Abandoned	MW-4	EXXON CO USA	PSI/PTL	15	4	07/88	0.00		111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6336Z	R	Recovery	Plugged and Abandoned	RW-2	EXXON CO USA	G & E	15	4	11/97	4.19	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6337Z	R	Recovery	Plugged and Abandoned	RW-3	EXXON CO USA	G & E	15	4	11/97	4.85	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	5290Z	M	Monitor	Excavated	MW-1	EXXON CO USA	PSI/PTL	15	4	07/88	0.00		111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6345Z	R	Recovery	Plugged and Abandoned	AI-6	EXXON CO USA	G & E	10	2	11/97	5.06	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6344Z	R	Recovery	Plugged and Abandoned	AI-5	EXXON CO USA	G & E	10	2	11/97	4.91	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6343Z	R	Recovery	Plugged and Abandoned	AI-4	EXXON CO USA	G & E	10	2	11/97	4.50	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6342Z	R	Recovery	Plugged and Abandoned	AI-3	EXXON CO USA	G & E	10	2	11/97	5.44	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6341Z	R	Recovery	Plugged and Abandoned	AI-2	EXXON CO USA	G & E	10	2	11/97	5.17	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6340Z	R	Recovery	Plugged and Abandoned	AI-1	EXXON CO USA	G & E	10	2	11/97	5.54	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6339Z	R	Recovery	Active	MW-6A	EXXON CO USA	G & E	15	4	11/97	5.78	12/08/97	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6338Z	R	Recovery	Plugged and Abandoned	RW-4	EXXON CO USA	G & E	14	4	11/97	4.57	12/08/97	111NORLC	295335	900651

3243.51	007	14S	23E	JEFFERSON	051	5294Z	M	Monitor	Plugged and Abandoned	MW-5	EXXON CO USA	PSI/PTL	15	4	07/88	0.00		111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6752Z	M	Monitor	Plugged and Abandoned	MW-20	EXXON MOBIL	CRA, INC.	14	4	01/02	4.48	02/27/02	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	6814Z	M	Monitor	Plugged and Abandoned	MW-18	EXXON MOBIL	CRA, INC.	15	4	11/01	6.44	12/11/01	111NORLC	295335	900651
3243.51	007	14S	23E	JEFFERSON	051	5569Z	M	Monitor	Plugged and Abandoned	MW-1	EXXON CO USA	UNKNOWN	14			0.00		111NORLC	295335	900651
3251.91	007	14S	23E	JEFFERSON	051	5336Z	M	Monitor	Plugged and Abandoned	MW-7	EXXON CO USA	PSI/PTL	15	4	10/88	5.00	10/31/88	111NORLC	295335	900652
3251.91	007	14S	23E	JEFFERSON	051	5337Z	M	Monitor	Plugged and Abandoned	MW-8	EXXON CO USA	PSI/PTL	15	4	10/88	5.00	10/31/88	111NORLC	295335	900652
3251.91	007	14S	23E	JEFFERSON	051	5338Z	M	Monitor	Plugged and Abandoned	MW-9	EXXON CO USA	PSI/PTL	15	4	10/88	5.00	10/31/88	111NORLC	295335	900652
3251.91	007	14S	23E	JEFFERSON	051	5335Z	M	Monitor	Plugged and Abandoned	MW-6	EXXON CO USA	PSI/PTL	15	4	10/88	5.00	10/31/88	111NORLC	295335	900652
3251.91	007	14S	23E	JEFFERSON	051	5340Z	M	Monitor	Plugged and Abandoned	MW-11	EXXON CO USA	PSI/PTL	17	4	10/88	5.00	10/31/88	111NORLC	295335	900652
3251.91	007	14S	23E	JEFFERSON	051	5339Z	M	Monitor	Plugged and Abandoned	MW-10	EXXON CO USA	PSI/PTL	17	4	10/88	5.00	10/31/88	111NORLC	295335	900652
3278.45	007	14S	23E	JEFFERSON	051	5918Z	M	Monitor	Active	MW-13R	SOUTHLAND CORP	FUGRO (GS)	13	2	03/94	5.00	03/22/94	111NORLC	295336	900659
3358.39	019	13S	23E	JEFFERSON	051	7251Z	M	Monitor	Active	MW-11	CHEVRON USA	BEST DRILLING	15	2	03/09	3.00	03/23/09	00000000	295404	900610
3358.39	019	13S	23E	JEFFERSON	051	7250Z	M	Monitor	Active	MW-10	CHEVRON USA	BEST DRILLING	15	2	03/09	3.00	03/23/09	00000000	295404	900610
3358.39	019	13S	23E	JEFFERSON	051	7252Z	M	Monitor	Active	MW-12	CHEVRON USA	BEST DRILLING	15	2	04/09	3.00	04/27/09	00000000	295404	900610
3401.5	007	14S	23E	JEFFERSON	051	5889Z	R	Recovery	Active	RW-3	SOUTHLAND CORP	FUGRO (GS)	15		10/92	9.00	10/08/92	111NORLC	295335	900700
3401.5	007	14S	23E	JEFFERSON	051	6754Z	M	Monitor	Plugged and Abandoned	MW-3	PHILLIPS CORP	GROUNDWATER	14	2	08/88	0.00		111NORLC	295335	900700
3401.5	007	14S	23E	JEFFERSON	051	6753Z	M	Monitor	Plugged and Abandoned	MW-2	PHILLIPS CORP	GROUNDWATER	14	2	08/88	0.00		111NORLC	295335	900700
3531.88	008	14S	23E	JEFFERSON	051	5522Z	M	Monitor	Plugged and Abandoned	MW-10	SHELL OIL	LAW (TX)	15	4	02/90	0.00		111NORLC	295339	900712
3531.88	008	14S	23E	JEFFERSON	051	6229Z	M	Monitor	Plugged and Abandoned	MW-3	SHELL OIL	LAW (TX)	12	4	02/90	0.00		111NORLC	295339	900712
3531.88	008	14S	23E	JEFFERSON	051	6228Z	M	Monitor	Plugged and Abandoned	MW-2	SHELL OIL	LAW (TX)	12	4	02/90	0.00		111NORLC	295339	900712
3531.88	008	14S	23E	JEFFERSON	051	6231Z	M	Monitor	Plugged and Abandoned	MW-5	SHELL OIL	LAW (TX)	6	4	02/90	0.00		111NORLC	295339	900712
3531.88	008	14S	23E	JEFFERSON	051	6227Z	M	Monitor	Plugged and Abandoned	MW-1	SHELL OIL	LAW (TX)	10	4	02/90	0.00		111NORLC	295339	900712
3531.88	008	14S	23E	JEFFERSON	051	6230Z	M	Monitor	Plugged and Abandoned	MW-4	SHELL OIL	LAW (TX)	16	4	02/90	0.00		111NORLC	295339	900712
3746.86	044	14S	24E	JEFFERSON	051	5789Z	M	Monitor	Active	W-6-1	SHELL OIL	EUSTIS	12	4	09/91	6.58	09/13/91	111NORLC	295337	900713
4064.04	019	13S	23E	JEFFERSON	051	42	N	Industrial	Destroyed	2	CRISTINA ICE SR	BLAKEMORE A	282	8	1946	11.00	05/27/54	112GRMC	295358	900603
4064.04	019	13S	23E	JEFFERSON	051	5	N	Industrial	Destroyed		CRISTINA ICE SR	UNKNOWN	350	8	1936	0.00		112GRMC	295358	900603
4115.99	014	13S	23E	JEFFERSON	051	7735Z	M	Monitor	Plugged and Abandoned	MW-8	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	12	2	07/03/2017	0	07/03/2017	111NORLC	295418	900733
4129.08	007	14S	23E	JEFFERSON	051	5321Z	M	Monitor	Active	MW-2	SOUTHLAND CORP	PSI/PTL	17	4	08/88	3.80	08/26/88	111NORLC	295328	900702
4129.08	007	14S	23E	JEFFERSON	051	5324Z	M	Monitor	Active	MW-5	SOUTHLAND CORP	PSI/PTL	17	4	08/88	3.80	08/26/88	111NORLC	295328	900702
4129.08	007	14S	23E	JEFFERSON	051	5323Z	M	Monitor	Active	MW-4	SOUTHLAND CORP	PSI/PTL	17	4	08/88	3.80	08/26/88	111NORLC	295328	900702
4129.08	007	14S	23E	JEFFERSON	051	5320Z	M	Monitor	Active	MW-1	SOUTHLAND CORP	PSI/PTL	17	4	08/88	3.80	08/26/88	111NORLC	295328	900702
4129.08	007	14S	23E	JEFFERSON	051	5322Z	M	Monitor	Active	MW-3	SOUTHLAND CORP	PSI/PTL	17	4	08/88	3.80	08/26/88	111NORLC	295328	900702
4186.45	008	14S	23E	JEFFERSON	051	6184Z	I	Irrigation	Active		PERINO SEAFOOD	ANTHON	310	4	10/94	2.00	10/17/94	112GRMC	295341	900725
4285.84	04	13S	23E	JEFFERSON	051	7734Z	M	Monitor	Plugged and Abandoned	MW-7	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	11	2	07/03/2017	2	07/03/2017	111NORLC	295418	900735
4323.96	014	13S	23E	JEFFERSON	051	7732Z	M	Monitor	Plugged and Abandoned	MW-5	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	11	2	07/03/2017	8	07/03/2017	111NORLC	295416	900736
4346.34	014	13S	23E	JEFFERSON	051	7733Z	M	Monitor	Plugged and Abandoned	MW-6	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	11	2	07/03/2017	2	07/03/2017	111NORLC	295417	900736
4410.09	014	13S	23E	JEFFERSON	051	7731Z	M	Monitor	Plugged and Abandoned	MW-4	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	11	2	07/03/2017	1	07/03/2017	111NORLC	295416	900737
4516.61	045	13S	23E	JEFFERSON	051	6639Z	W	Piezometer	Active	JPW-PZ04	JF DEPT SEWERAG	PROFESSIONAL	11	2	01/01	1.50	01/19/01	111NORLC	295417	900558
4517.83	014	13S	23E	JEFFERSON	051	7728Z	M	Monitor	Plugged and Abandoned	MW-1	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	12	2	07/03/2017	2	07/03/2017	111NORLC	295417	900738
4517.83	014	13S	23E	JEFFERSON	051	7730Z	M	Monitor	Plugged and Abandoned	MW-3	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	11	2	07/03/2017	2	07/03/2017	111NORLC	295417	900738
4541.51	014	13S	23E	JEFFERSON	051	7729Z	M	Monitor	Plugged and Abandoned	MW-2	CHRISTIANA REALTY, LLC	WALKER-HILL ENVIRONMENTAL, INC.	12	2	07/03/2017	2	07/03/2017	111NORLC	295418	900738
4644.2	4	14S	23E	JEFFERSON	051	7362Z	M	Monitor	Plugged and Abandoned	MW-B	EXXON MOBILE ENVIRONMENTAL SERVICES	PRECISION PROBE & DRILLING CO.	14	2	02/09/2011	6.5	02/10/2011	111NORLC	295343	900603
4697.76	4	14S	23E	JEFFERSON	051	7363Z	M	Monitor	Plugged and Abandoned	MW-C	EXXON MOBILE ENVIRONMENTAL	PRECISION PROBE &	14	2	02/09/2011	7	02/10/2011	111NORLC	295342	900603

											SERVICES	DRILLING CO.								
4772.26	4	14S	23E	JEFFERSON	051	7364Z	M	Monitor	Plugged and Abandoned	MW-D	EXXON MOBILE ENVIRONMENTAL SERVICES	PRECISION PROBE & DRILLING CO.	14	2	02/11/2011	5	02/11/2011	111NORLC	295342	900602
4795.33	4	14S	23E	JEFFERSON	051	7361Z	M	Monitor	Plugged and Abandoned	MW-A	EXXON MOBILE ENVIRONMENTAL SERVICES	PRECISION PROBE & DRILLING CO.	14	2	02/10/2011	5	02/11/2011	111NORLC	295343	900601
4800.26	012	13S	23E	JEFFERSON	051	191	N	Industrial	Plugged and Abandoned	1	CELOTEX CORP	ANTHON, M. C.	815	8	09/88	65.00	09/26/88	112GZNO	295418	900741
4847.22	4	14S	23E	JEFFERSON	051	7365Z	M	Monitor	Plugged and Abandoned	MW-E	EXXON MOBILE ENVIRONMENTAL SERVICES	PRECISION PROBE & DRILLING CO.	14	2	02/11/2011	6.5	02/12/2011	111NORLC	295342	900601
4847.22	4	14S	23E	JEFFERSON	051	7366Z	M	Monitor	Plugged and Abandoned	MW-F	EXXON MOBILE ENVIRONMENTAL SERVICES	PRECISION PROBE & DRILLING CO.	14	2	02/10/2011	5	02/11/2011	111NORLC	295342	900601
4847.82	045	13S	23E	JEFFERSON	051	5841Z	M	Monitor	Active	GM 4	SIGMA COATINGS	ENVIRONMENTAL\	16	4	12/91	3.40	12/06/91	111NORLC	295420	900555
4847.82	045	13S	23E	JEFFERSON	051	5839Z	M	Monitor	Active	GM 2	SIGMA COATINGS	ENVIRONMENTAL\	16	4	12/91	5.60	12/06/91	111NORLC	295420	900555
4847.82	045	13S	23E	JEFFERSON	051	5842Z	M	Monitor	Active	GM 5	SIGMA COATINGS	ENVIRONMENTAL\	15	4	12/91	3.80	12/10/91	111NORLC	295420	900555
4847.82	045	13S	23E	JEFFERSON	051	5840Z	M	Monitor	Active	GM 3	SIGMA COATINGS	ENVIRONMENTAL\	14	4	12/91	4.15	12/06/91	111NORLC	295420	900555
4847.82	045	13S	23E	JEFFERSON	051	5843Z	M	Monitor	Active	GM 6	SIGMA COATINGS	ENVIRONMENTAL\	18	4	12/91	3.26	12/06/91	111NORLC	295420	900555
4847.82	045	13S	23E	JEFFERSON	051	5838Z	M	Monitor	Active	GM 1	SIGMA COATINGS	ENVIRONMENTAL\	18	4	12/91	2.75	12/06/91	111NORLC	295420	900555
5029.31	002	14S	23E	JEFFERSON	051	5366Z	M	Monitor	Active	MW-2	TOC RETAIL	G & E	16	2	02/89	7.00	02/03/89	111NORLC	295340	900600
5029.31	002	14S	23E	JEFFERSON	051	5365Z	M	Monitor	Active	MW-1	TOC RETAIL	G & E	16	2	02/89	8.50	02/03/89	111NORLC	295340	900600
5030.64	123	12S	11E	JEFFERSON	051	6860Z	M	Monitor	Plugged and Abandoned	RW-1	MOTIVA ENTERPRI	GRIFFITH (ENV.)	14	4	01/03	3.21	02/11/03	111NORLC	295404	900745
5030.64	123	12S	11E	JEFFERSON	051	6859Z	M	Monitor	Plugged and Abandoned	OW-1	MOTIVA ENTERPRI	GRIFFITH (ENV.)	9	4	01/03	3.83	02/11/03	111NORLC	295404	900745
5047.75	015	13S	23E	JEFFERSON	051	5955Z	M	Monitor	Active	MW-2	EMRO MARKETING	GERAGHTY	14	2	09/91	3.12	10/01/91	111NORLC	295335	900732
5047.75	015	13S	23E	JEFFERSON	051	5954Z	M	Monitor	Active	MW-1	EMRO MARKETING	GERAGHTY	15	2	09/91	3.10	10/01/91	111NORLC	295335	900732
5109.97	013	13S	11E	ORLEANS	071	5765Z	D	Dewatering	Plugged and Abandoned	4A	PORT OF N O	MENGE	20		1963	0.00		111NORLC	295453	900712
5109.97	013	13S	11E	ORLEANS	071	5764Z	D	Dewatering	Plugged and Abandoned	3A	PORT OF N O	MENGE	22		1963	0.00		111NORLC	295453	900712
5109.97	013	13S	11E	ORLEANS	071	5761Z	D	Dewatering	Active	4-B	PORT OF N O	ANTHON, M. C.	21		02/91	4.00	02/06/91	111NORLC	295453	900712
5109.97	013	13S	11E	ORLEANS	071	5762Z	D	Dewatering	Active	3-B	PORT OF N O	ANTHON, M. C.	23		02/91	4.00	02/07/91	111NORLC	295453	900712
5113.07	015	13S	23E	JEFFERSON	051	5956Z	M	Monitor	Active	MW-3	EMRO MARKETING	GERAGHTY	15	2	09/91	6.23	09/13/91	111NORLC	295334	900732
5151.79	013	13S	11E	ORLEANS	071	6418Z	M	Monitor	Plugged and Abandoned	ST-2	CAR WASH BLUES	CAPOZZOLI	20	4	09/98	2.00	09/14/98	111NORLC	295456	900704
5151.79	013	13S	11E	ORLEANS	071	6620Z	M	Monitor	Destroyed	ST-17	CAR WASH BLUES	EUSTIS	22	4	03/00	5.10	03/12/00	111NORLC	295456	900704
5249.07	013	13S	11E	ORLEANS	071	6417Z	M	Monitor	Plugged and Abandoned	ST-1	CAR WASH BLUES	CAPOZZOLI	20	4	09/98	2.00	09/10/98	111NORLC	295457	900704
5273.42	013	13S	11E	ORLEANS	071	6421Z	M	Monitor	Plugged and Abandoned	ST-5	CAR WASH BLUES	CAPOZZOLI	20	4	09/98	2.00	09/16/98	111NORLC	295457	900705
5273.42	013	13S	11E	ORLEANS	071	6420Z	M	Monitor	Destroyed	ST-4	CAR WASH BLUES	CAPOZZOLI	20	4	09/98	2.00	09/15/98	111NORLC	295457	900705

BOUWER AND RICE SLUG TEST CALCULATION FORMULAS
FORMER JOHNS MANSVILLE FACILITY
MARRERO, LOUISIANA
MAY 6, 2021

Objective

To determine the hydraulic conductivity of the upper most water bearing unit at Former Johns Mansville Facility in Marrero, Louisiana. The Bouwer and Rice Method was selected to evaluate the bail test data.

References

1. Bouwer, H. and Rice, R.C. A slug test for determining hydraulic conductivity of unconfined aquifers with completely or partially penetrating wells. Water Resources Research 12. (1976) pp 423-428

2. Bouwer, H. The Bouwer and Rice Slug Test - An Update. Groundwater 27:3 (1989) pp 15-20

3. Kruseman, G.P. and deRidder, N.A. Analysis and Evaluation of Pumping Test Data. (1991) pp 244-247

Assumptions

1. The aquifer is homogeneous, isotropic, and has a uniform thickness.

2. The subject well either partially or fully penetrates the saturated thickness of the aquifer.

3. The storage in the well cannot be neglected since the well diameter is finite.

4. The piezometric surface is horizontal over the area to be influenced during the test and the flow to the well is in a steady state.

In the following formulas, **TCB-1 SLUG OUT** data is used.

BOUWER AND RICE SLUG TEST CALCULATION FORMULAS
FORMER JOHNS MANSVILLE FACILITY
MARRERO, LOUISIANA
MAY 6, 2021

$$R_a = Nominal\ Radius\ of\ Well\ Casing = 0.75\ inches = 0.95\ cm$$

$$R_w = Radius\ of\ Well\ Bore\ Hole = \frac{0.75\ inches}{2} = 2.54\ cm$$

$$d = Length\ of\ Water\ Column = (18.80 - 0.13)\ feet = 18.67\ feet = 569\ cm$$

$$D = \infty$$

$$b = d = 569\ cm$$

1. Calculate the radius, R_c, of the unscreened part where the water level is changing

$$R_c = [{R_a}^2 + 0.3({R_w}^2 - {R_a}^2)]^{0.5}$$

$$R_c = [0.95^2 + 0.3(2.54^2 - 0.95^2)]^{0.5}$$

$$R_c = 1.60\ cm$$

2. Determine A & B from the value of $\frac{d}{R_w}$ using the attached Bouwer and Rice plot

$$\frac{d}{R_w} = \frac{569}{2.54} = 224.04$$

Therefore,

A= 6.3
$B = 2.6$

3. The author suggests that $R_n[D - b/R_w]$ be defined as 6 since it is assumed that the thickness of the water bearing unit is large. Therefore,

$$D = (e^6 \times R_w) + b$$

$$D = (e^6 \times 2.54) + 569$$

$$D = 1594\ cm$$

BOUWER AND RICE SLUG TEST CALCULATION FORMULAS
FORMER JOHNS MANSVILLE FACILITY
MARRERO, LOUISIANA
MAY 6, 2021

4. Since the well is partially penetrating:

$$R_e = [e^{\left[\frac{1.1}{\ln\left(\frac{b}{R_w}\right)} + \frac{A+B\ln\left(\frac{D-b}{R_w}\right)}{\frac{d}{R_w}}\right]^{-1}}]R_w$$

$$\ln\left(\frac{R_e}{R_w}\right) = [\frac{1.1}{\ln\left(\frac{b}{R_w}\right)} + \frac{A + B\ln\left(\frac{D-b}{R_w}\right)}{\frac{d}{R_w}}]^{-1}$$

$$\ln\left(\frac{R_e}{R_w}\right) = [\frac{1.1}{\ln\left(\frac{569}{2.54}\right)} + \frac{6.3 + 2.6\ln\left(\frac{1594-569}{2.54}\right)}{\frac{569}{2.54}}]^{-1}$$

$$\ln\left(\frac{R_e}{R_w}\right) = 3.32$$

5. From the attached figure (Time vs Drawdown),

$$\text{m} = \text{slope} = 1.17 \times 10^{-3}\ sec^{-1}$$

6. Calculate the hydraulic conductivity

$$\text{K} = {R_c}^2 \frac{\ln\left(\frac{R_e}{R_w}\right)}{2d} m$$

$$\text{K} = \frac{(1.60)^2(3.32)(1.17 \times 10^{-3})}{2(569)}$$

$$\text{K} = 8.78 \times 10^{-6}\ {}^{cm}/_{sec}$$

Per RECAP Page TF 2-4 for an unconfined aquifer

$$\text{Q} = \frac{16Kb^2}{6.3 + \log(Kb)}$$

where,

BOUWER AND RICE SLUG TEST CALCULATION FORMULAS
FORMER JOHNS MANSVILLE FACILITY
MARRERO, LOUISIANA
MAY 6, 2021

$Q = estimated\ well\ yield, gpm$
$K = hydraulic\ conductivity, cm/sec$
$b = saturated\ aquifer\ thickness, feet = Well\ depth + 10\ ft. = 18.80 + 10 = 28.80\ feet$

$$Q = \frac{16(8.78 \times 10^{-6})(28.80)^2}{6.3 + \log(8.78 \times 10^{-6} \times 15)} = 0.04\ gpm$$

$$Q = 0.04 \frac{gal}{min} \times 60 \frac{min}{hour} \times 24 \frac{hour}{day} = 62\ gpd$$

BOUWER AND RICE METHOD SLUG TEST CALCULATIONS
FORMER LOUISIANA STATE POLICE FIRING RANGE
MARRERO, LA
MAY 6, 2021

Well I.D.	Casing Diameter (in)	Well Diameter (in)	Static Water Depth (ft)	Total Well Depth (ft)	R_a (cm)	R_w (cm)	d (=b) (cm)	R_c (cm)	d/R_w	A	B	D (cm)	$\ln(R_e/R_w)$	Time vs. Drawdown Slope (s^{-1})	K (cm/s)	b (ft)	Q (gpm)	Q (gpd)
TCB-1 IN	0.75	2.00	0.13	18.80	0.9525	2.54	569.06	1.60	224.04	6.3	2.6	1594	3.32	0.00117	8.78E-06	28.80	0.04	62
TCB-1 OUT	0.75	2.00	0.13	18.80	0.9525	2.54	569.06	1.60	224.04	6.3	2.6	1594	3.32	0.0030899	2.32E-05	28.80	0.10	142
TCB-2 IN	1	2.00	4.29	15.00	1.27	2.54	326.44	1.75	128.52	5.25	1.9	1351	2.81	0.001146296	1.51E-05	25.00	0.05	76
TCB-2 OUT	1	2.00	4.29	15.00	1.27	2.54	326.44	1.75	128.52	5.3	1.9	1351	2.81	0.000508911	6.70E-06	25.00	0.03	38
TCB-3 IN	1	2.00	3.33	15.00	1.27	2.54	355.70	1.75	140.04	5.5	2	1380	2.88	0.000467395	5.79E-06	25.00	0.02	34
TCB-3OUT	1	2.00	3.33	15.00	1.27	2.54	355.70	1.75	140.04	5.5	2	1380	2.88	0.000299402	3.71E-06	25.00	0.02	24
																AVERAGE:		63

$$R_c = \left[R_a^2 + 0.3\left(R_w^2 - R_a^2\right)\right]^{0.5}$$

$$D = (e^6 \times R_w) + b$$

TCB 1 IN + OUT

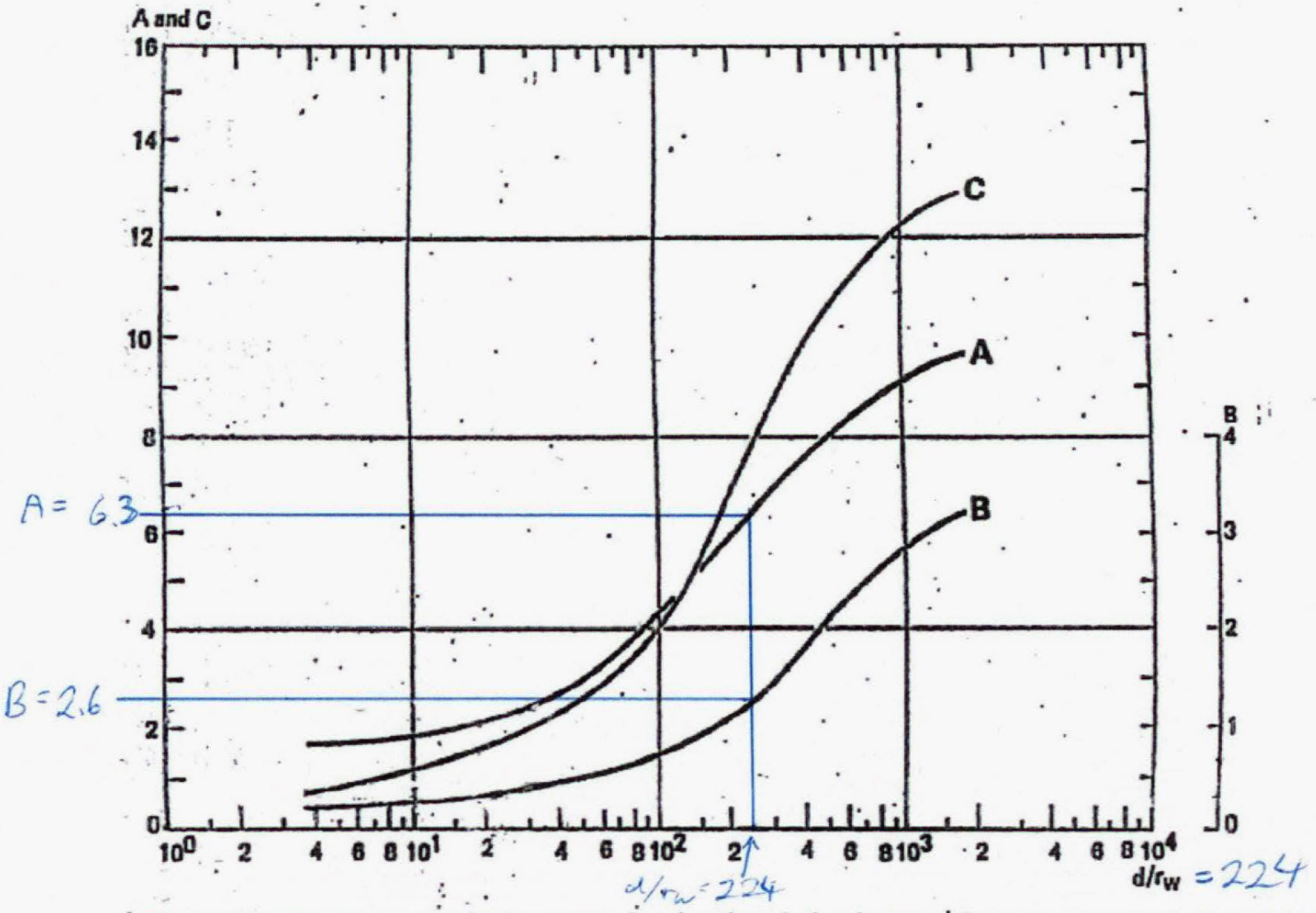


Figure 16.6 The Bouwer and Rice curves showing the relation between the parameters A, B, C, and d/r_w

TCB-2

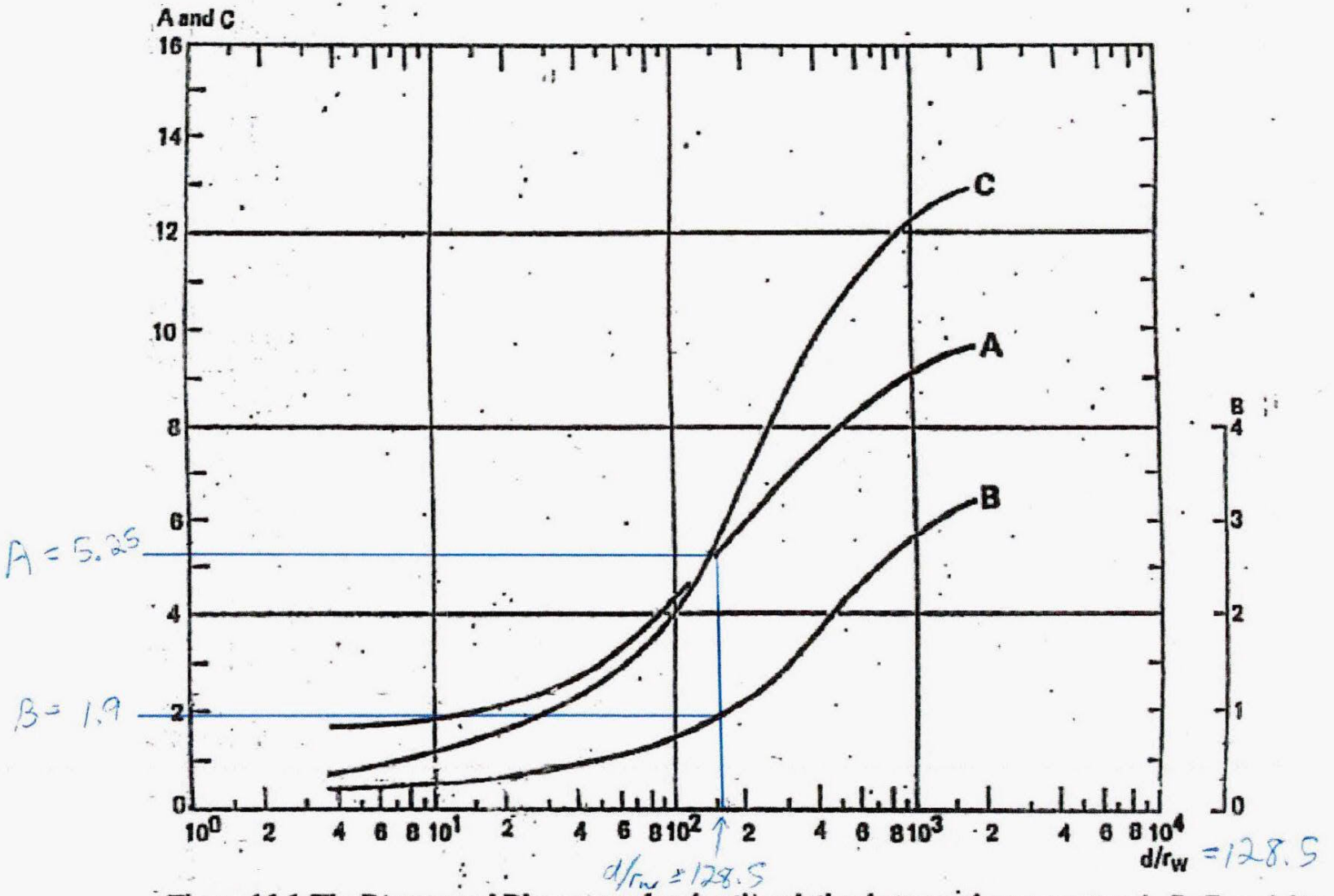


Figure 16.6 The Bouwer and Rice curves showing the relation between the parameters A, B, C, and d/r_w

TCB-3

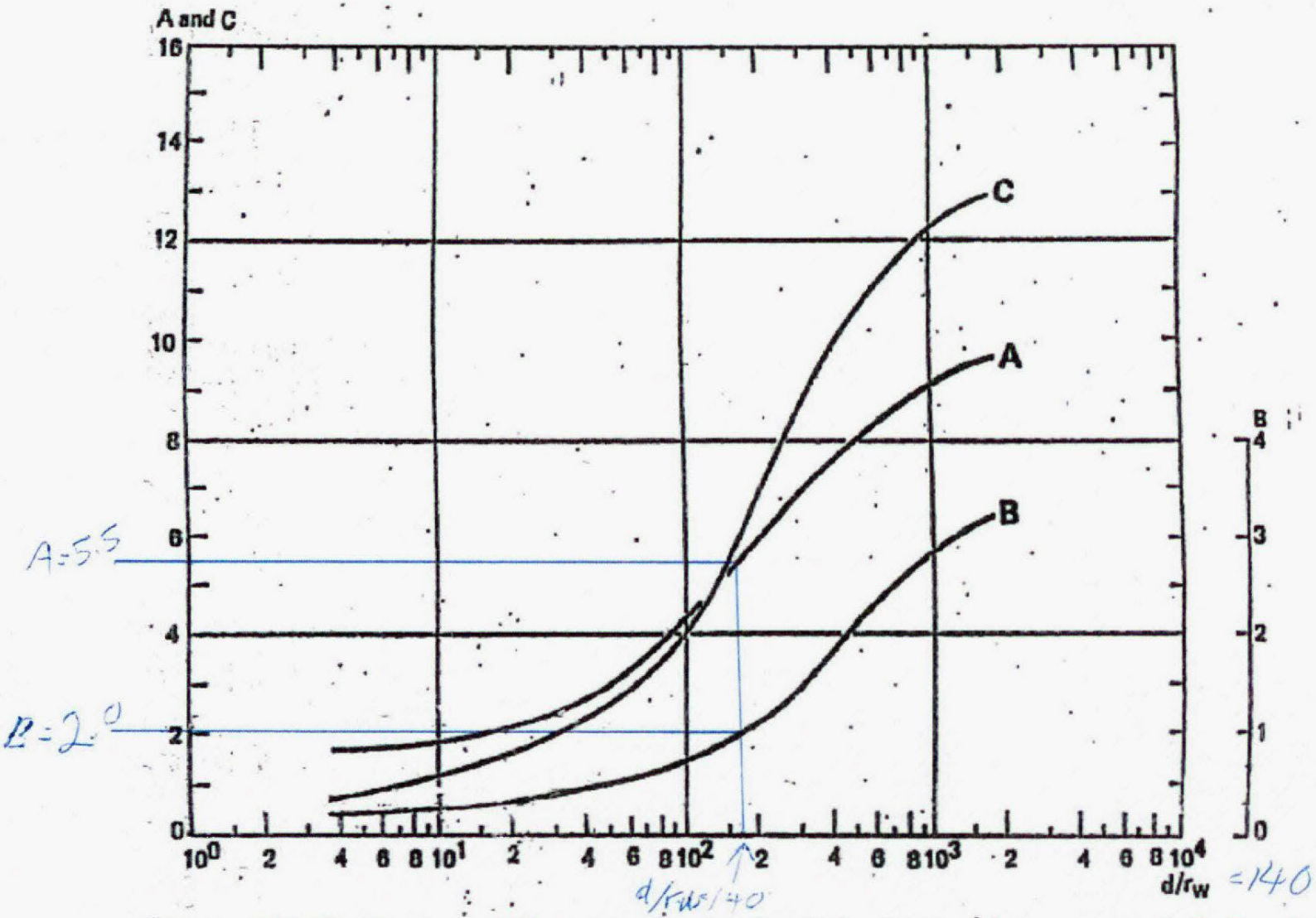
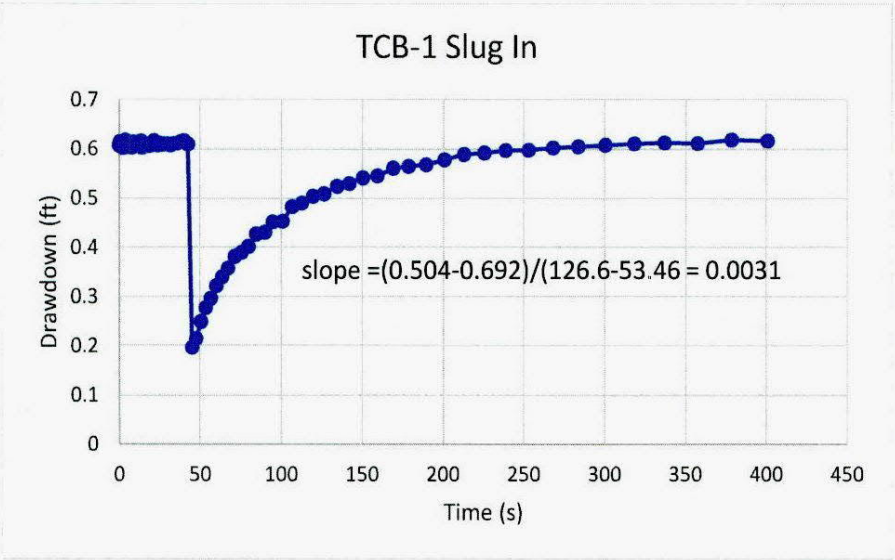
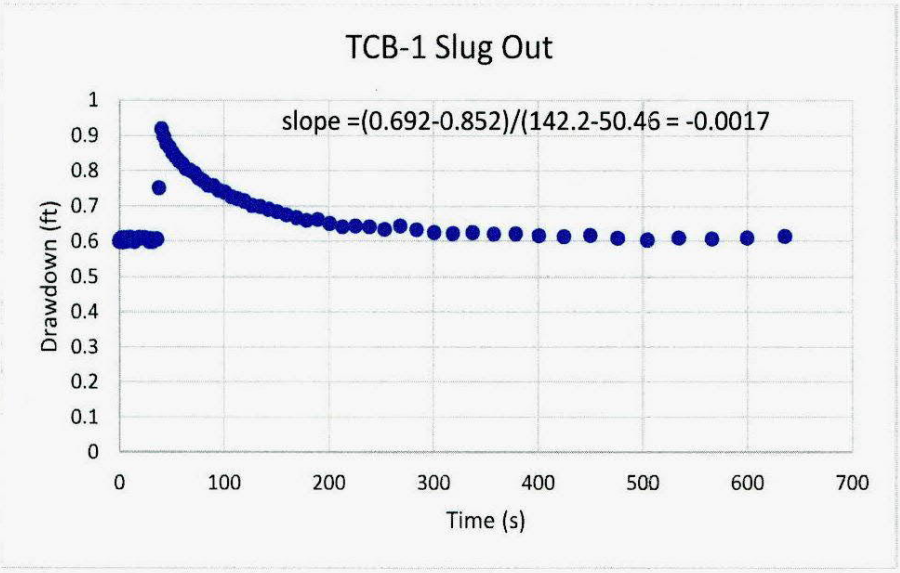
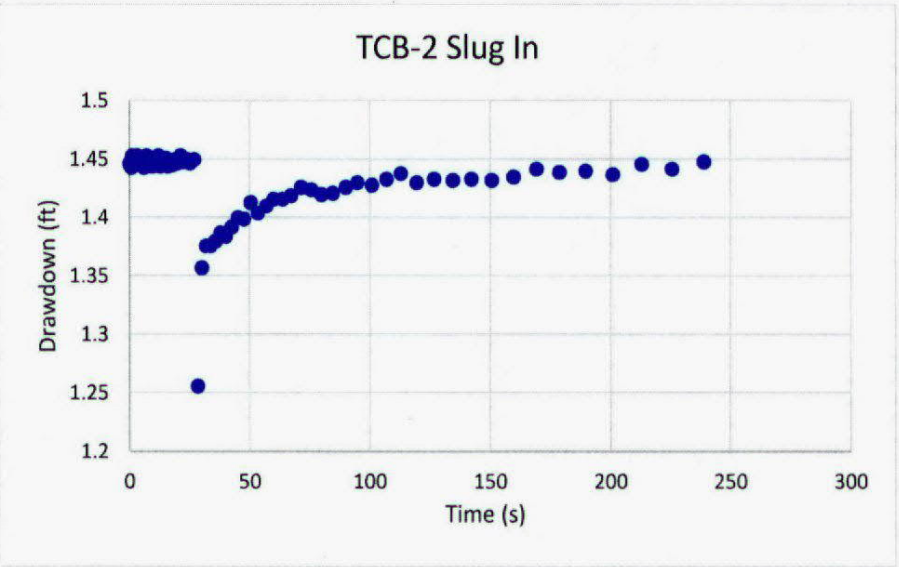
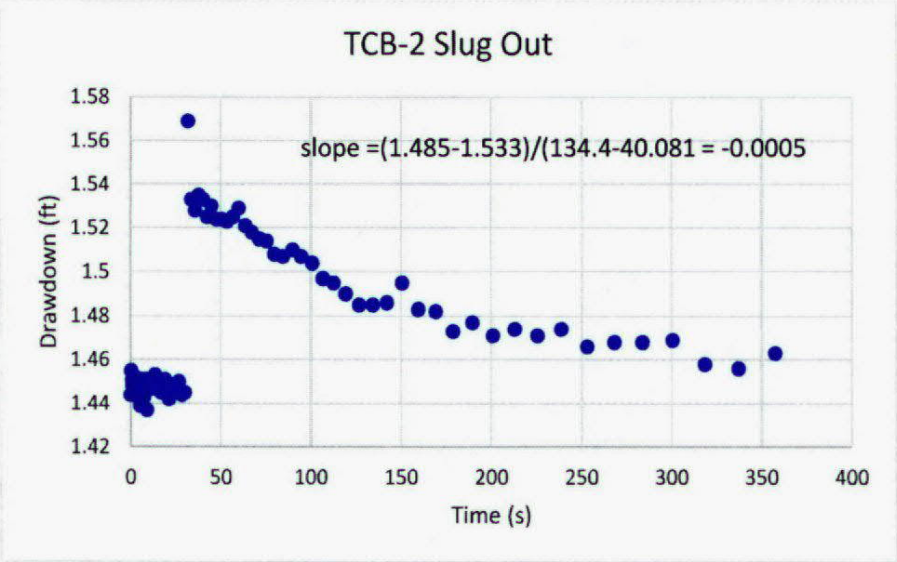


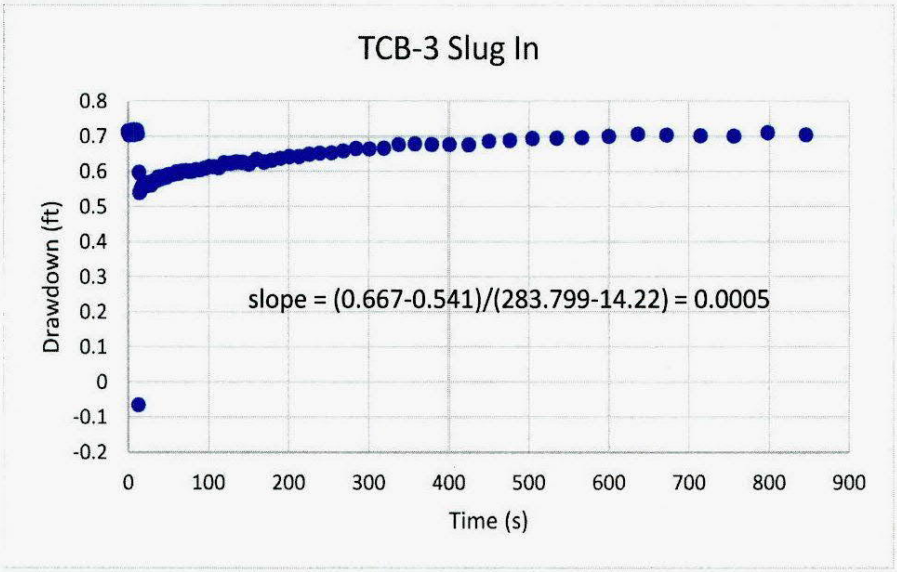
Figure 16.6 The Bouwer and Rice curves showing the relation between the parameters A, B, C, and d/r_w

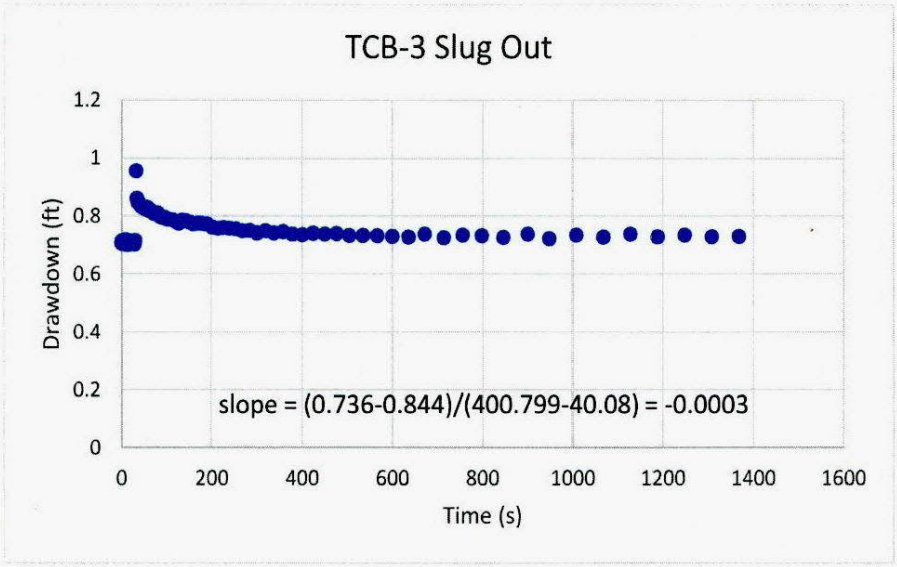

TCB-1 Slug In
Drawdown (ft)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250
300
350
400
450
Time (s)
slope =(0.504-0.692)/(126.6-53.46 = 0.0031


TCB-1 Slug Out
Drawdown (ft)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
100
200
300
400
500
600
700
Time (s)
slope =(0.692-0.852)/(142.2-50.46 = -0.0017


TCB-2 Slug In
Drawdown (ft)
1.5
1.45
1.4
1.35
1.3
1.25
1.2
0
50
100
150
200
250
300
Time (s)


TCB-2 Slug Out
slope =(1.485-1.533)/(134.4-40.081 = -0.0005
Drawdown (ft)
1.58
1.56
1.54
1.52
1.5
1.48
1.46
1.44
1.42
0
50
100
150
200
250
300
350
400
Time (s)


TCB-3 Slug In
Drawdown (ft)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
slope = (0.667-0.541)/(283.799-14.22) = 0.0005
0
100
200
300
400
500
600
700
800
900
Time (s)


TCB-3 Slug Out
Drawdown (ft)
1.2
1
0.8
0.6
0.4
0.2
0
slope = (0.736-0.844)/(400.799-40.08) = -0.0003
0
200
400
600
800
1000
1200
1400
1600
Time (s)

Appendix E
RECAP Forms

RECAP FORM 1
RECAP Submittal Summary

1. Agency Interest Name: Parcels JM3 & JM5

2. AI#: TBD

3. Name of Area of Investigation: Chromium soil AOI; Thallium soil AOI; groundwater AOI

4. Facility Owner Name: Jefferson Parish

5. Facility Owner Mailing Address: 700 Churchill Park Blvd
Avondale, Louisiana 70094

6. Facility Operator Name: JEDCO Development Corporation

7. Facility Operator Mailing Address: 700 Churchill Park Blvd
Avondale, Louisiana 70094

8. Facility Physical Address: River Road and Marrero Road
Marrero, Louisiana

9. Parish: Jefferson

10. Latitude/Longitude of Primary Facility Entrance: 29°54'13.2"N 90°06'37.5"W

11. Latitude/Longitude Method: Google Earth

12. Facility Contact Person: Bryan Ontario

13. Facility Contact Person's Phone Number: (504) 875-3908

14. Facility Contact Person's Mailing Address: 700 Churchill Park Blvd
Avondale, Louisiana 70094

15. Facility Contact Person's E-mail Address: bontario@jedco.com

16. Area of Investigation Location: Site wide

17. Area of Investigation Size: Chromium soil AOI – 0.25 acres ; Thallium soil AOI -0.04 acres; groundwater AOI- site wide

18. Horizontal and Vertical Extent of the Area of Investigation has been identified? [X]Yes [ ] No

19. Describe the Current and Historical Uses of the Property on which the AOI is located and the Time Periods for Each Use/Activity: According to historical documentation, the site was undeveloped from approximately 1891 through 1949. By 1950 the site is developed with the current on-site structures and operated as the Johns Manville transite pipe factory. The facility manufactured building products that contained asbestos. A machine and welding shop and underground storage tanks are depicted on historical Sanborn maps during Johns Manville operations. Operations ceased in 1985. The site is currently unoccupied.

20. Indicate How Release Occurred (if known): Unknown. Assumed to be from historic release.

21. List Constituents Released (if known): Asbestos, metals in soil (<15 ft); and arsenic and SVOCs in the groundwater

22. RECAP Submittal Date:

23. RECAP Submittal Prepared by: Diana M. Day, PE

24. RECAP Submittal Preparer's Employer: Terracon Consultants, Inc.

25. RECAP Submittal Preparer's Phone Number: 225-239-2656

26. Site Ranking: [ ] Class 1 [ ] Class 2 [ ] Class 3 [X] Class 4

27. Media Impacted:

[X] Surface Soil	[ ] Groundwater 1A	[ ] Surface water
[] Potential Surface Soil	[ ] Groundwater 1B	[ ] Sediment
[ ] Subsurface Soil	[ ] Groundwater 2A	[ ] Biota
	[ ] Groundwater 2B	
	[ ] Groundwater 2C	
	[x] Groundwater 3A	
	[ ] Groundwater 3B	
	[ ] Groundwater Classification Unknown	

28. Is soil present at 0-3 ft bgs impacted? [X] Yes [] No

29. Release volume: ____Unknown volume

30. Is NAPL Present? [] Yes [X] No

31.Aquifer:___Surficial shallow groundwater

(a)Distance from AOC/AOI to the nearest downgradient property boundary: 150 feet, adjacent south property

Distance from AOC/AOI to the nearest downgradient surface water body: 500 ft

Depth from known contamination to the nearest Groundwater Classification 1 aquifer: >1000 feet_____

If a GW 1 or 2 aquifer, distance from POC to nearest downgradient drinking water wells: __NA_____

32. Distance from known contamination to nearest enclosed occupied structure: on-site

33. Depth Groundwater First Encountered: _~8ft_____

34. Distance from POC to POE: _500 ft

35. Dilution Factor Applied: 15

36. Fractional Organic Carbon Content: Default value of 0.006

37. Current Land Use: [ ] Non-Industrial [X] Industrial NAICS: 327999

38. Potential Future Land Use: [ ] Non-Industrial [X] Industrial NAICS: 236220

39. Is There Offsite Contamination? [] Yes [X] No

(a) If Yes, Land Use Offsite: [ ] Non-Industrial [] Industrial NAICS: _____

(b) If Yes, Identify the Landowner(s), Lessee(s), and/or Servitude Holder(s): _

_____

40. Management Option(s) Applied at the AOI: [x] SO [x] MO-1 [ ] MO-2 [ ] MO-3

41. Provide documentation that the AOI meets the criteria for the Option implemented: There are no sensitive subpopulations near the area. There are no other likely human exposure pathways other than the accidental ingestion of soil and groundwater and dermal contact with soil and groundwater. The shallow aquifer encountered does not discharge to a surface water body.

42. Current Status of the AOI:

(a) The AOI will be further evaluated under: [x] MO-1 [ ] MO-2 [ ] MO-3.

(b) Medium for further evaluation: Surface soil, groundwater

(c) Exceedances: ppm

Medium: Surface Soil

COC	[X] AOIC (mg/kg) [ ] CC	[X] LSS (mg/kg) [ ] MO-1 LRS [ ] MO-2 LRS
Chromium	33.4	23
Thallium	1.1	0.55

Medium: Groundwater

COC	[ ] AOIC (mg/kg) [X] CC	[X] LSS (mg/kg) [ ] MO-1 LRS [ ] MO-2 LRS
2-Methylnaphthalene	0.0258	0.0062
Benzo(a)pyrene	0.000566	0.0002
Biphenyl diphenyl	0.00318	0.003
Chrysene	0.00226	0.0016
Naphthalene	0.0490	0.01
Pentachlorophenol	0.00389	0.001
Arsenic	0.23	0.01

43. [X] The AOI will be remediated under: [ ] SO [X] MO-1 [ ] MO-2 [ ] MO-3.

(a) Medium requiring remediation: Soil

(b) Corrective Action Standards: [X] Non-industrial [] Industrial

(c) Institutional Controls Are Proposed? [X] Yes [ ] No [ ] Institutional Controls Already Present

(d) Interim Corrective Actions Have Been Performed? [ ] Yes [X] No [ ] Not Applicable

(e) If yes, explain

44. Exceedances and Corrective Action Standards to be applied:

Medium: Groundwater

COC	[ ] AOIC (mg/kg) [X] CC	[] LSS (mg/kg) [X] MO-1 LRS [ ] MO-2 LRS
Chrysene	0.00226	0.00057

45. All constituent concentrations in all impacted media:

[ ] comply with the applicable RECAP standards; or

[ ] have been remediated to the applicable RECAP; or

[ ] alternate remediation standards and a NFA-ATT determination is being requested and:

(a) RECAP Standards Applied: [] Non-industrial [] Industrial

(b) There are institutional controls on this property: [ ] Yes [X] No

© If yes, type of institutional control employed: _____

(d) If applicable, the conveyance notice has been filed with the _____ (parish) Clerk of Court noting that the AOI was closed under industrial standards.

46. RECAP Standards Applied at the AOI:

Medium: Surface Soil

COC	[X] AOIC (mg/kg) [ ] CC	[ ] LSS (mg/kg) [X] MO-1 LRS [ ] MO-2 LRS
Chromium	33.4	100
Thallium	1.1	4

Medium: Groundwater

COC	[ ] AOIC (mg/kg) [X] CC	[ ] LSS (mg/kg) [X] MO-1 LRS [ ] MO-2 LRS
2-Methylnaphthalene	0.0258	0.39
Benzo(a)pyrene	0.000566	0.0016
Biphenyl Diphenyl	0.00318	3.45
Chrysene	0.00226	0.00057
Naphthalene	0.0490	2.55
Pentachlorophenol	0.00389	0.015
Arsenic	0.23	0.75

47. Provide documentation that the AOIC and/or CC will continue to comply with the applicable standard: The release is assumed to be from historic asbestos manufacturing. The property is currently defunct and abandoned.

48. If groundwater was impacted, provide a description of aquifer use and list the locations and depths of the nearest drinking water supply wells: The aquifer is not used for any type of potable water. As indicated in the LDNR water well survey there are no active public water supply wells located within one mile of the site.

49. Provide: (a) a description of the remedial actions implemented; (b) verification that the source has been removed/mitigated and that residual constituent concentrations comply with the LSS or LRS; and (c) a discussion on the offsite disposal of investigation and remediation wastes including types, quantities, disposal location, etc. No remedial actions have been performed at the site.

50. If applicable, discuss monitoring well plugging and abandonment: _All temporary monitor wells installed during the investigation have been plugged and abandoned in accordance with DOTD water well regulations.

51. Is There a Current or Potential Ecological Impact? [ ] Yes [X] No

RECAP FORM 3
ANALYTICAL DATA EVALUATION

Date: November 2023

Facility Name: JM3-JM5 Parcels

Agency Interest (AI #): TBD

Physical Site Location: 6001 River Road, Marrero, Louisiana

Operation Address: 700 Churchill Park Boulevard, Avondale, Louisiana

Owner/Responsible Party Address: 700 Churchill Park Boulevard, Avondale, Louisiana

1. Data Generation

1.A All sample collection was done in accordance to applicable RECAP collection guidelines. [X] Yes [ ] No

1.B All generated data was obtained using EPA Methodology, RECAP approved methodology (as found in text), or methodology pre-approved by the Department. Any modifications to methodology have been noted, explained and pre-approved by the Department. [X] Yes [ ] No

1.C All Data are analyte-specific and the identity and concentration are confirmed. [X] Yes [ ] No

1.D All data were generated by a LDEQ certified laboratory. [X] Yes [ ] No

2. Data Evaluation and Usability

2.A Methods used are appropriate for analyzed constituents:

1. Analysis used is specific for COCs. [X] Yes [ ] No

2. Results are produced with the most appropriate sensitive method. (e.g. not using portable field analytical instruments). [X] Yes [ ] No

2.B Sample Quantitation Limits (SQL)

Note: The SQL is not synonymous with the IDL (instrument detection limit) or the MDL (minimum detection limit). The SQL is derived after considering the effects

of dilutions, loss of instrument sensitivity, matrix interferences, and other interferences effecting the lower-end accuracy of analysis, and therefore resulting in the elevation of the method detection limit. The SQL will be the only detection limit considered for comparison to limiting standards.

1. All SQLs are less than reference concentrations (RS or SS). [ ] Yes [X] No (If yes, proceed to Section 2C, Qualifiers and Codes).

2. Samples with SQLs greater than the limiting standard are not being reported as non-detected. (If yes, proceed to Item # 3 of this section). [ ] Yes [X] No

   If the SQL is higher than the limiting standard, and a non-detect is being reported, data may still be considered by the Department if all the below conditions are met:

   (a) The non-detect results make up less than 5-10 percent of a sample set for a considered individual COC.

   (b) The ND is not classified as being from a key sampling location (e.g. drinking water well).

   (c) Documentation provided by a LDEQ accredited laboratory (with supporting evidence) is included in the document demonstrating that a practical quantitation limit was not achievable due to site or sample-specific conditions.

   Have the above three conditions been met? [X] Yes [ ] No

   Note: If one or more of the above conditions cannot be met, the total (100%) value of the PQL may be reported as a positive detected result.

   Will this option be used and annotated in the Report? [ ] Yes [ ] No

   Note: If all answers in this item are "no," analytical results will be rejected and re-sampling will be required.

3. Are sample results higher than both the PQL and the limiting standard? [X] Yes [ ] No (If so, results may be used despite elevated PQL).

2.C Qualifiers and Codes

1. All qualifiers and codes for flagged data have been noted on form 3 and supporting documentation has been included in the laboratory information package. [X] Yes [ ] No

2. All data with a qualifier of "R" (unusable data) do not come from critical sample points (if so, resample will be required). [X] Yes [ ] No

3. All data with a qualifier of "J" (estimated concentrations) have been included as positive results. [X] Yes [ ] No

2.D Blank Samples

1. Field and laboratory blanks showed no signs of contamination, and no constituents were detected in blanks. (If no constituents or contaminants were detected, proceed to 2E, Tentatively Identified Compounds). [X] Yes [ ] No

2. Contaminants or constituents found in blanks can be considered common laboratory contaminants as defined by EPA (acetone, 2-butanone, methylene chloride, toluene, or phthalates); and the same contaminants found in site samples are present at quantities less than 10 times the levels found in blanks. (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

3. Contaminants or constituents found in blanks are not considered common laboratory contaminants as defined by EPA; and the same contaminants found in site samples are present at quantities less than 5 times the levels found in blanks (If no, constituents are to be reported as detected COCs). [ ] Yes [ ] No

2.E Tentatively Identified Compounds (TIC)

All possible TIC have been identified, evaluation is supported with documentation in the text, and information conforms to the requirements as listed in Section 2.5 of the RECAP. [X] Yes [ ] No

2.F Historical Data

1. All quantitative historical data has been reviewed by current QA/QC guidelines, and all applicable supporting information is justified and included in the report. [ ] Yes [ ] No

2. All qualitative historical data is verifiable, has not been used quantitatively, and has only been used in the development of a conceptual model. [ ] Yes [ ] No

3. Documentation

3.A Laboratory information package assembled as follows [X] Yes [ ] No:

1. Sample documentation (chains of custody, preparation time, time of analysis).
2. Sample and analyte identification and quantification.
3. Determination and documentation of sample quantitation limits (SQLs).

4. Initial and continuing calibration.
5. Performance evaluation samples (external QA or laboratory control samples)
6. Matrix spike recoveries.
7. Analytical error determination (determined with replicate samples).
8. Total measurement error determination summary. (Evaluates overall precision of measurement system from sample acquisition through analysis. Determined with field duplicate and matrix spike with matrix spike duplicate).
9. Explanation and supporting documentation for flagged data.

3.B All methods used in all analysis have produced tangible raw data (e.g. chromatograms, spectra, digital values), and are available to the Department upon request.
[X] Yes [ ] No

1. Representative data is included in documentation as examples of method procedures. [X] Yes [ ] No

2. All flagged data is supported with complete associated tangible raw data. (e.g. depiction of matrix interferences, spiked recoveries reported outside of control limits, evidence for need for dilution etc.). [ ] Yes [ ] No

Note: Any "no" answer must be explained at the conclusion of this form. Items not applicable should be left unmarked.

4. Submitter Information

Date_____

Name of Person submitting this evaluation Diana M. Day, P.E.

Affiliation Terracon Consultants

Signature_____ Date_____

Additional Preparers Zack L. Dial, P.E.

RECAP FORM 10
SCREENING OPTION SUBMITTAL FOR SOIL

Identification of the Limiting SO SS:

COC	$Soil_{ssi}$ $XSoil_{ssni}$	$Soil_{SSGW}$	Limiting SS
Acetone	170	1.5	1.5
2-Butanone (MEK)	590	5	5
1,1 - Dichloroethene	13	0.085	0.085
Acenaphthene	370	220	220
Acenaphthylene	350	88	88
Anthracene	2200	120	120
Benzo(a)anthracene	0.62	330	0.62
Benzo(a)pyrene	0.33	23	0.33
Benzo(b)fluoranthene	0.62	220	0.62
Benzo(k)fluoranthene	6.2	120	6.2
Chrysene	62	76	62
Dibenzo(a,h)anthracene	0.33	540	0.33
Fluoranthene	220	1200	220
Fluorene	280	230	230
Indeno(1,2,3-cd)pyrene	0.62	9.2	0.62
2-methylnaphthalene	22	1.7	1.7
Naphthalene	6.2	1.5	1.5
N-Nitroso-di-n-propylamine	0.33	0.33	0.33
Phenanthrene	2100	660	660
Pyrene	1300	1100	1100
Antimony	3.1	12	3.1
Arsenic	12	100	12
Barium	550	2000	550
Beryllium	16	8	8
Cadmium	3.9	20	3.9
Chromium	23	100	23
Cobalt	470	4400	470
Copper	310	1500	310
Lead	400	100	100
Mercury	2.3	4	2.3
Nickel	160	1500	160

RECAP FORM 10
SCREENING OPTION SUBMITTAL FOR SOIL

COC	$Soil_{ssi}$ $XSoil_{ssni}$	$Soil_{SSGW}$	Limiting SS
Selenium	39	20	20
Silver	39	100	39
Thallium	0.55	4	0.55
Vanadium	55	520	55
Zinc	2300	2800	2300
Aliphatic C8-C10	120	5300	120
Aliphatics C12-C16	370	10000	370
Aliphatics C16-C35	7100	10000	7100
Aromatics C16-C21	150	2100	150
Aromatics C21-C35	180	10000	180

Identification of the AOIC:

COC	Maximum Concentration	Sample Location
Acetone	0.063	B-18 (0-2)
2-Butanone (MEK)	0.0091	B-18 (0-2)
1,1 - Dichloroethene	0.0063	B-16 (14-16)
Acenaphthene	0.00454	Dup-2 B-14 (0-2)
Acenaphthylene	0.0324	B-13 (0-2)
Anthracene	0.0429	Dup-2 B-14 (0-2)
Benzo(a)anthracene	0.191	Dup-2 B-14 (0-2)
Benzo(a)pyrene	0.218	Dup-2 B-14 (0-2)
Benzo(b)fluoranthene	0.332	B-13 (0-2)
Benzo(k)fluoranthene	0.115	B-13 (0-2)
Chrysene	0.233	Dup-2 B-14 (0-2)
Dibenzo(a,h)anthracene	0.0375	Dup-2 B-14 (0-2)
Fluoranthene	0.427	Dup-2 B-14 (0-2)
Fluorene	0.00782	B-13 (0-2)
Indeno(1,2,3-cd)pyrene	0.206	Dup-2 B-14 (0-2)
2-methylnaphthalene	0.0438	B-17 (0-2)
Naphthalene	0.0723	Dup-2 B-14 (0-2)
N-Nitroso-di-n-propylamine	0.016	B-12 (0-2)
Phenanthrene	0.287	Dup-2 B-14 (0-2)

RECAP FORM 10
SCREENING OPTION SUBMITTAL FOR SOIL

COC	Maximum Concentration	Sample Location
Pyrene	0.331	Dup-2 B-14 (0-2)
Antimony	1.2	B-8 (0-2)
Arsenic	7.4	B-14 (0-2)
Barium	211	B-20 (2-4)
Beryllium	0.85	B-2 (0-2)
Cadmium	0.17	B-1 (7-9)
Chromium	33.4	B-17 (0-2)
Cobalt	9.1	B-5 (2-4)
Copper	32.5	B-8 (0-2)
Lead	66.8	B-8 (0-2)
Mercury	0.071	Dup-2 B-14 (0-2)
Nickel	32.5	B-16 (0-2)
Selenium	1.8	Dup-2 B-14 (0-2)
Silver	0.32	B-6 (2-4)
Thallium	1.1	B-13 (0-2)
Vanadium	37.8	B-2 (0-2)
Zinc	77.1	B-15 (0-2)
Aliphatic C8-C10	2.18	B-2 (0-2)
Aliphatics C12-C16	2.62	B-4 (0-2)
Aliphatics C16-C35	19.9	Dup-3 B-19 (0-4)
Aromatics C16-C21	17.3	B-4 (0-2)
Aromatics C21-C35	32.8	B-4 (0-2)

SO Soil RECAP Assessment:

COC	Limiting SS	Maximum Concentration	AOIC Exceeds LSS?
Acetone	1.5	0.063	No
2-Butanone (MEK)	5	0.0091	No
1,1 - Dichloroethene	0.085	0.0063	No
Acenaphthene	220	0.00454	No
Acenaphthylene	88	0.0429	No
Benzo(a)anthracene	0.62	0.191	No
Benzo(a)pyrene	0.33	0.218	No

RECAP FORM 10
SCREENING OPTION SUBMITTAL FOR SOIL

COC	Limiting SS	Maximum Concentration	AOIC Exceeds LSS?
Benzo(b)fluoranthene	0.62	0.332	No
Benzo(k)fluoranthene	6.2	0.115	No
Chrysene	62	0.233	No
Dibenzo(a,h)anthracene	0.33	0.0375	No
Fluoranthene	220	0.427	No
Fluorene	230	0.00782	No
Indeno(1,2,3-cd)pyrene	0.62	0.206	No
2-methylnaphthalene	1.7	0.0438	No
Naphthalene	1.5	0.0723	No
N-Nitroso-di-n-propylamine	0.33	0.016	No
Phenanthrene	660	0.287	No
Pyrene	1100	0.331	No
Antimony	3.1	1.2	No
Arsenic	12	7.4	No
Barium	550	211	No
Beryllium	8	0.85	No
Cadmium	3.9	0.17	No
Chromium	23	33.4	**Yes**
Cobalt	470	9.1	No
Copper	310	32.5	No
Lead	100	66.8	No
Mercury	2.3	0.071	No
Nickel	160	32.5	No
Selenium	20	1.8	No
Silver	39	0.32	No
Thallium	0.55	1.1	**Yes**
Vanadium	55	37.8	No
Zinc	2300	77.1	No
Aliphatic C8-C10	120	2.18	No
Aliphatics C12-C16	370	2.62	No
Aliphatics C16-C35	7100	19.9	No
Aromatics C16-C21	150	17.3	No
Aromatics C21-C35	180	32.8	No

RECAP FORM 11
MANAGEMENT OPTION 1 SUBMITTAL FOR SOIL 0-15 FT BGS

Identification of the Limiting MO-1 LRS:

COC	o $Soil_i$ X $Soil_{ni}$	Additivity Divisor	Final o $Soil_i$ o $Soil_{ni}$	o$Soil_{GW1}$ o$Soil_{GW2}$ o$Soil_{GW3DW}$ o$Soil_{GW3NDW}$	o No DF o DF2 o DF3 o DF3	Final $Soil_{GW}$	$Soil_{es}$	Additivity Advisor	Fianl $Soil_{es}$	$Soil_{sat}$	Limiting MO-1 LRS
Chromium	230	1	230	100	No DF	100	NA	NA	NA	NA	100
Thallium	5.5	1	5.5	4	No DF	4	NA	NA	NA	NA	4
Acetone	SO	SO	SO	SO	SO	SO	660	10	66	SO	66
2-Butanone (MEK)	SO	SO	SO	SO	SO	SO	28000	2	14000	SO	14000
1,1 - Dichloroethene	SO	SO	SO	SO	SO	SO	4.3	5	0.86	SO	0.86
Acenaphthene	SO	SO	SO	SO	SO	SO	73000	10	7300	SO	7300
Acenaphthylene	SO	SO	SO	SO	SO	SO	38000	10	3800	SO	3800
Anthracene	SO	SO	SO	SO	SO	SO	100000	1	100000	SO	100000
Fluorene	SO	SO	SO	SO	SO	SO	190000	2	95000	SO	95000
2-methylnaphthalene	SO	SO	SO	SO	SO	SO	1000	6	166.7	SO	166.7
Naphthalene	SO	SO	SO	SO	SO	SO	63	6	10.5	SO	10.5
Phenanthrene	SO	SO	SO	SO	SO	SO	1000000	1	1000000	SO	1000000
Pyrene	SO	SO	SO	SO	SO	SO	1000000	10	100000	SO	100000
Aliphatic C8-C10	SO	SO	SO	SO	SO	SO	86	6	14.3	SO	14.3
Aliphatic C12-C16	SO	SO	SO	SO	SO	SO	460	6	76.7	SO	76.7

Notes:

NA - Not Applicable

SO - COC eliminated at the screening option, included in enclosed space evaluation only

Identification of the AOIC:

COC	Maximum Concentration	95% UCL Concentration	AOI Concentration	AOIC Location
Chromium	33.4		33.4	B-17 (0-2)
Thallium	1.1		1.1	B-13 (0-2)
Acetone	0.063		0.063	B-18 (0-2)
2-Butanone (MEK)	0.0091		0.0091	B-18 (0-2)
1,1 - Dichloroethene	0.0063		0.0063	B-16 (14-16)
Acenaphthene	0.00454		0.00454	Dup-2 B-14 (0-2)
Acenaphthylene	0.0324		0.0324	B-13 (0-2)
Anthracene	0.0429		0.0429	Dup-2 B-14 (0-2)
Fluorene	0.00782		0.00782	B-13 (0-2)
2-methylnaphthalene	0.0438		0.0438	B-17 (0-2)
Naphthalene	0.0723		0.0723	Dup-2 B-14 (0-2)
COC	**Maximum Concentration**	**95% UCL Concentration**	**AOI Concentration**	**AOIC Location**

RECAP FORM 11
MANAGEMENT OPTION 1 SUBMITTAL FOR SOIL 0-15 FT BGS

Phenanthrene	0.287		0.287	Dup-2 B-14 (0-2)
Pyrene	0.331		0.331	Dup-2 B-14 (0-2)
Aliphatic C8-C10	2.18		2.18	B-2 (0-2)
Aliphatic C12-C16	2.62		2.62	B-4 (0-2)

MO-1 Soil 0-15 bgs RECAP Assessment:

COC	Limiting MO-1 LRS	AOI Concentration	AOIC Exceeds MO-1 LRS ?
Chromium	100	33.4	No
Thallium	4	1.1	No
Acetone	66	0.063	No
2-Butanone (MEK)	14000	0.0091	No
1,1 - Dichloroethene	0.86	0.0063	No
Acenaphthene	7300	0.00454	No
Acenaphthylene	3800	0.0324	No
Anthracene	100000	0.0429	No
Fluorene	95000	0.00782	No
2-methylnaphthalene	166.7	0.0438	No
Naphthalene	10.5	0.0723	No
Phenanthrene	1000000	0.287	No
Pyrene	100000	0.331	No
Aliphatic C8-C10	14.3	2.18	No
Aliphatic C12-C16	76.7	2.62	No

RECAP FORM 15
SCREENING OPTION SUBMITTAL FOR GROUNDWATER

Identification of the SO SS:

COC	**GW_{ss}**
Acetone	0.1
Carbon Disulfide	0.1
Acenapththene	0.037
Acenapththylene	0.1
Anthracene	0.043
Benzo(a)anthracene	0.0078
Benzo(a)pyrene	0.0002
Benzo(b)fluoranthene	0.0048
Benzo(k)fluoranthene	0.0025
biphenyl diphenyl	0.003
bis(2-ethylhexyl)phthalate	0.006
Chrysene	0.0016
Dibenz(a,h)anthracene	0.002
Dibenzofuran	0.01
Fluoranthene	0.15
Fluorene	0.024
2-Methylnaphthalene	0.00062
Naphthalene	0.01
Penthachlorophenol	0.001
Phenanthrene	0.18
Phenol	0.18
Pyrene	0.018
2,3,4,6-Tetrachlorophenol	0.11
Arsenic	0.01
Barium	2
Chromium	0.1
Cobalt	0.22
Nickel	0.073
Vanadium	0.026
Zinc	1.1
Aliphatic C16-C35	7.3

RECAP FORM 15
SCREENING OPTION SUBMITTAL FOR GROUNDWATER

Compliance Concentration:

COC	Compliance Concentration	CC Location
Acetone	0.0076	TW-12
Carbon Disulfide	0.0013	TW-12
Acenapththene	0.0143	TW-20
Acenapththylene	0.000141	TW-20
Anthracene	0.00358	TW-20
Benzo(a)anthracene	0.00258	TW-20
Benzo(a)pyrene	0.000566	TW-20
Benzo(b)fluoranthene	0.00107	TW-20
Benzo(k)fluoranthene	0.000357	TW-20
biphenyl diphenyl	0.00318	TW-13
bis(2-ethylhexyl)phthalate	0.00199	TW-15
Chrysene	0.00226	TW-20
Dibenz(a,h)anthracene	0.000612	TW-20
Dibenzofuran	0.00939	TW-20
Fluoranthene	0.0186	TW-20
Fluorene	0.00793	TW-20
2-Methylnaphthalene	0.0258	TW-13
Naphthalene	0.049	TW-13
Penthachlorophenol	0.00389	TW-2
Phenanthrene	0.0252	TW-20
Phenol	0.00806	TW-20
Pyrene	0.0117	TW-20
2,3,4,6-Tetrachlorophenol	0.000446	TW-20
Arsenic	0.23	TW-8
Barium	1.2	TW-9
Chromium	0.0018	TW-1
Cobalt	0.0025	TW-16
Nickel	0.0053	TW-16
Vanadium	0.0024	TW-1
Zinc	0.017	TW-13
Aliphatic C16-C35	0.141	TW-1

RECAP FORM 15
SCREENING OPTION SUBMITTAL FOR GROUNDWATER

SO Groundwater RECAP Assessment:

COC	GW_{ss}	Compliance Concentration	CC Exceeds LSS?
Acetone	0.1	0.0076	No
Carbon Disulfide	0.1	0.0013	No
Acenapththene	0.037	0.0143	No
Acenapththylene	0.1	0.000141	No
Anthracene	0.043	0.00358	No
Benzo(a)anthracene	0.0078	0.00258	No
Benzo(a)pyrene	0.0002	0.000566	**Yes**
Benzo(b)fluoranthene	0.0048	0.00107	No
Benzo(k)fluoranthene	0.0025	0.000357	No
biphenyl diphenyl	0.003	0.00318	**Yes**
bis(2-ethylhexyl)phthalate	0.006	0.00199	No
Chrysene	0.0016	0.00226	**Yes**
Dibenz(a,h)anthracene	0.002	0.000612	No
Dibenzofuran	0.01	0.00939	No
Fluoranthene	0.15	0.0186	No
Fluorene	0.024	0.00793	No
2-Methylnaphthalene	0.00062	0.0258	**Yes**
Naphthalene	0.01	0.049	**Yes**
Penthachlorophenol	0.001	0.00389	**Yes**
Phenanthrene	0.18	0.0252	No
Phenol	0.18	0.00806	No
Pyrene	0.018	0.0117	No
2,3,4,6-Tetrachlorophenol	0.11	0.000446	No
Arsenic	0.01	0.23	**Yes**
Barium	2	1.2	No
Chromium	0.1	0.0018	No
Cobalt	0.22	0.0025	No
Nickel	0.073	0.0053	No
Vanadium	0.026	0.0024	No
Zinc	1.1	0.017	No
Aliphatic C16-C35	7.3	0.141	No

RECAP FORM 16
MANAGEMENT OPTION 1 SUBMITTAL FOR GROUNDWATER

Identification of the Limiting MO-1 LRS:

COC	oGW_1 oGW_2 X GW_{3DW} oGW_{3NDW}	o No DF o DF2 o DF3 o DF3	Final GW	GW_{es}	Additivity Advisor	Final GWes	GWair	Additiviy Advisor	Final Gwair	$Water_{sol}$	Limiting MO-1 LRS
Arsenic	0.05	15	0.75	NA	NA	NA	NA	NA	NA	NA	0.75
Benzo(a)pyrene	0.0002	15	0.003	NA	NA	NA	NA	NA	NA	0.0016	0.0016
Biphenyl diphenyl	0.23	15	3.45	170	2	85	11000	1	11000	7.5	3.45
Chrysene	0.000038	15	0.00057	NA	NA	NA	NA	NA	NA	0.0016	0.00057
2-Methylnaphtalene	0.026	15	0.39	290	6	48.3	7000	2	3500	25	0.39
Naphthalene	0.17	15	2.55	35	6	5.8	930	2	465	31	2.55
Pentachlorophenol	0.001	15	0.015	NA	NA	NA	NA	NA	NA	2000	0.015
Acetone	SO	SO	SO	5800	10	580	SO	SO	SO	SO	580
Carbon Disulfide	SO	SO	SO	5.3	2	2.65	SO	SO	SO	SO	2.65
Acenapththene	SO	SO	SO	2800	10	280	SO	SO	SO	SO	280
Acenapththylene	SO	SO	SO	3600	10	360	SO	SO	SO	SO	360
Anthracene	SO	SO	SO	37000	1	37000	SO	SO	SO	SO	37000
Fluorene	SO	SO	SO	4500	2	2250	SO	SO	SO	SO	2250
Phenanthrene	SO	SO	SO	73000	1	73000	SO	SO	SO	SO	73000
Phenol	SO	SO	SO	130000	3	43333.33	SO	SO	SO	SO	43333
Pyrene	SO	SO	SO	12000	10	1200	SO	SO	SO	SO	1200

Notes:
NA - Not Applicable
SO - COC eliminated at the screening option, included in the enclosed space evaluation only.

Compliance Concentration:

COC	Compliance Concentration	CC Location
Arsenic	0.23	TW-8
Benzo(a)pyrene	0.000566	TW-20
Biphenyl diphenyl	0.00318	TW-13
Chrysene	0.00226	TW-20
2-Methylnaphtalene	0.0258	TW-13
Naphthalene	0.049	TW-13
Pentachlorophenol	0.00389	TW-2
Acetone	0.0076	TW-12
Carbon Disulfide	0.0013	TW-12
Acenapththene	0.0143	TW-20
Acenapththylene	0.000141	TW-20
Anthracene	0.00358	TW-20
Fluorene	0.00793	TW-20
COC	Compliance Concentration	CC Location

Phenanthrene	0.0252	TW-20
Phenol	0.00806	TW-20
Pyrene	0.0117	TW-20

MO-1 Groundwater RECAP Assessment:

COC	Limiting MO-1 LRS	Compliance Concentration	CC Exceeds MO-1 LRS?
Arsenic	0.75	0.23	No
Benzo(a)pyrene	0.0016	0.000566	No
Biphenyl diphenyl	3.45	0.00318	No
Chrysene	0.00057	0.00226	**Yes**
2-Methylnaphtalene	0.39	0.0258	No
Naphthalene	2.55	0.049	No
Pentachlorophenol	0.015	0.00389	No
Acetone	580	0.0076	No
Carbon Disulfide	2.65	0.0013	No
Acenapththene	280	0.0143	No
Acenapththylene	360	0.000141	No
Anthracene	37000	0.00358	No
Fluorene	2250	0.00793	No
Phenanthrene	73000	0.0252	No
Phenol	43333	0.00806	No
Pyrene	1200	0.0117	No

GROUNDWATER TO AMBIENT AIR NON-CARCENOGENIC VOLATILE CONSTITUENTS ADDITIVITY (GWair)

COC	Critical Effects/Target Organs			Additivty Divisor
	Kidney	Nasal	Decreased Body Weight	
Biphenyl diphenyl	1			**1**
2-Methylnaphthalene		1	1	**2**
Naphthalene		1	1	**2**
Subtotal	1	2	2	

ENCLOSED STRUCTURES VOLATILE CONSTITUENTS ADDITIVITY AND MULTIMEDIA

Media	COC	Critical Effects/Target Organs							Additivty Divisor	Additivity Divisor Multiple Media
		Liver	Kidney	Central Nervous System	Fetal	Decreased Body Weight	Nasal	Hematological		
Soil &GW	Acetone*	1	1						**6**	**12**
	Acenaphthene*	1							**6**	**12**
	Acenaphthylene*	1							**6**	**12**
	Anthracene*								**0**	**0**
	Fluorene*							1	**2**	**4**
	2-methylnaphthalene					1	1		**3**	**6**
	Naphthalene					1	1		**3**	**6**
	Phenanthrene								**0**	**0**
	Pyrene	1							**6**	**12**
Soil	1,1-dichloroethene	1							**6**	**NA**
	MEK				1				**2**	**NA**
	Aliphatics C8-C16	1						1	**6**	**NA**
GW	Carbon Disulfide			1	1				**2**	**NA**
	Bipheynl diphenyl		1						**2**	**NA**
	Phenol					1			**3**	**NA**
	Subtotal	6	2	1	2	3	2	2		

Notes:

1) At sites where a receptor is exposed to a COC via more than one medium, RS shall be adjusted for additvitiy for expsore to multi-media.

2) RECAP Standars for which additivity is to be adjusted for to account exposure to a COC via mulitple media include Soiles and Gwes.

3) Enclosed sturctures additivity COC list is comprised of all COCs detected in ecnlosed structures sampling points that are above detection limits.

* For COCs present in both soil and groundwater, target organs/critical effects are listed once for that COC, calculated, and then multiplied by the number of impacted media.

RECAP FORM 18
ECOLOGICAL CHECKLIST

Section 1 - Facility Information

1. Name of facility: JM3-JM5 Parcels

2. Location of facility: 6001 River Road, Marrero, Louisiana

   Parish: Jefferson

3. Mailing address: 700 Churchill Park Boulevard, Avondale, Louisiana 70094

4. Type of facility and/or operations associated with AOC: The Johns Manville facility occupied the site from the 1940s to 1985 and produced building products that contained asbestos, a carcinogenic mineral.

5. Name of AOC or AOI: Chromium soil AOI, thallium soil AOI, and groundwater AOI

6. If available, attach a USGS topographic map of the facility and/or aerial or other photographs of the release site and surrounding areas.

Section 2 - Land Use Information

1. Describe land use at and in the vicinity of the AOC/AOI: light industrial, commercial and residential

2. Describe land use adjacent to the facility: Light industrial, commercial and residential

3. Provide the following information regarding the nearest surface water body which has been impacted or has the potential to be impacted by COC migrating from the AOC/AOC:

a) Name of the surface water body: The Mississippi River

b) Type of surface water body:

   [X] freshwater river or stream
   [ ] freshwater swamp/marsh/wetland
   [ ] saltwater or brackish swamp/marsh/wetland
   [ ] lake or pond
   [ ] bayou or estuary
   [ ] drainage ditch
   [ ] other: _____

c) Designated use of the segment/subsegment of the surface water body (LAC 33:IX): Primary recreation, secondary contact recreation, fish and wildlife propagation, and drinking water supply.

d) Distance from the AOC/AOI to nearest surface water body: Approximately 500 feet

4. Do any potentially sensitive environmental areas exist adjacent to or in proximity to the site, e.g., federal and state parks, national and state monuments, wetlands, etc? [ ] Yes [X] No

   If yes, explain:
   _____

Section 3 - Release Information

1. Nature of the release: Historic operations

2. Location of the release (within the facility): Site wide

3. Location of the release with respect to the facility property boundaries: Site wide.

4. Constituents known or suspected have been released: metals and asbestos in soil; metals and SVOCs in groundwater.

5. Indicate which media are known or suspected to be impacted and if sampling data are available:

[X] soil 0 - 3 feet bgs	[X] yes [ ] no
[X] soil 0 - 15 feet bgs	[X] yes [ ] no
[ ] soil >15 feet bgs	[ ] yes [X] no
[X] groundwater	[X] yes [ ] no
[ ] surface water/sediment	[ ] yes [X] no

6. Has migration occurred outside the facility property boundaries? [ ] yes [X] no

If yes, describe the designated use of the offsite land impacted:
_____

Section 4 - Criteria for Further Assessment

If the AOI meets **all** of the criteria presented below, then typically no further ecological evaluation shall be required. If the AOI **does not** meet **all** of the criteria, then a screening level ecological risk shall be conducted. The Submitter should make the initial decision regarding whether or not a screening level ecological risk assessment is warranted based on compliance of the AOI with criteria listed below. After review of the ecological checklist and other available site information, the Department will make a final determination on the need for a screening level ecological risk assessment. If site conditions at the AOI change such that one or more of the criteria are not met, then a screening level ecological risk assessment shall be conducted. Answers shall be based on current site conditions (i.e., shall not consider future remedial actions or institutional or engineering controls).

Indicate if the AOI meets the following criteria:

(1) The area of impacted soil is approximately 5 acres or less in size (based on the AOI identified for the human health assessment) and it is not expected that the COC will migrate such that the soil AOI becomes greater than 5 acres in size. [X] yes [ ] no

(2) There is no current release or demonstrable long-term threat of release (via runoff or groundwater discharge) of COC from the AOI to a surface water body. [X] yes [ ] no

(3) Recreational species, commercial species, threatened or endangered species, and/or their habitats are not currently being exposed, or expected to be exposed, to COC present at or migrating from the AOI.
[X] yes [ ] no

(4) There are no obvious impacts to ecological receptors or their habitats and none are expected in the future.
[X] yes [ ] no

Is further ecological evaluation required at this AOI? [ ] yes [X] no
This determination is subject to Department concurrence.

Section 5 - Site Summary

The ecological checklist submittal shall include a site summary that presents sufficient information to verify that the AOI meets or does not meet the criteria for further assessment.

Section 6 - Submitter Information

Date: _____

Name of person submitting this checklist: _Diana M. Day, P.E._

Affiliation: Terracon Consultants

Signature: _____ Date: _____

Additional Preparers: _____

Appendix F
Laboratory Analytical Results

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 12, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Karen Brown for
Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20289019001	**B-5(2-4)**	Solid	09/11/23 13:20	09/12/23 11:35
20289019002	**B-5(5-7)**	Solid	09/11/23 13:30	09/12/23 11:35
20289019003	**B-5(7-9)**	Solid	09/11/23 13:54	09/12/23 11:35
20289019004	**B-5(14-16)**	Solid	09/11/23 13:35	09/12/23 11:35
20289019005	**B-6(2-4)**	Solid	09/11/23 15:33	09/12/23 11:35
20289019006	**B-6(9-11)**	Solid	09/11/23 15:14	09/12/23 11:35
20289019007	**B-6(14-16)**	Solid	09/11/23 15:19	09/12/23 11:35
20289019008	**Duplicate 1**	Solid	09/11/23 15:20	09/12/23 11:35
20289019009	**FB-1**	Water	09/11/23 15:30	09/12/23 11:35

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20289019001	**B-5(2-4)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019002	**B-5(5-7)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019003	**B-5(7-9)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019004	**B-5(14-16)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019005	**B-6(2-4)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019006	**B-6(9-11)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019007	**B-6(14-16)**	EPH	DMG	11	PAN

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019008	**Duplicate 1**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289019009	**FB-1**	EPH	DMG	11	PAN
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	ARW	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Date: December 05, 2023

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
9 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2135532

B: Analyte was detected in the associated method blank.
- R3975697-2 (Lab ID: R3975697-2)
  - Aliphatic (>C16-C35)

QC Batch: 2137358

B: Analyte was detected in the associated method blank.
- R3976996-1 (Lab ID: R3976996-1)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299407

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for EPA 6010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 298894

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289019001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1431555)
  - Antimony
  - Barium
- MSD (Lab ID: 1431556)
  - Antimony

R1: RPD value was outside control limits.

- MSD (Lab ID: 1431556)
  - Antimony
  - Beryllium
  - Cadmium
  - Selenium
  - Silver
  - Thallium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
1 sample was analyzed for EPA 6020A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 298822

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20288607002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1431001)
  - Barium
  - Chromium
- MSD (Lab ID: 1431002)
  - Chromium

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
1 sample was analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPA 7471**
Description: 7471 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for EPA 7471 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
1 sample was analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2133131

B: Analyte was detected in the associated method blank.

- R3975548-2 (Lab ID: R3975548-2)
  - Benzo(b)fluoranthene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2133131

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1655842-04

R1: RPD value was outside control limits.

- MSD (Lab ID: R3975548-4)
  - Naphthalene

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2135498

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1655524-01

R1: RPD value was outside control limits.

- MSD (Lab ID: R3975505-5)
  - 3,3'-Dichlorobenzidine
  - 3-Nitroaniline
  - 4-Chloroaniline
  - 4-Nitroaniline
  - Aniline

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for EPA 8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 298833

L1: Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.

- LCS (Lab ID: 1431128)
  - 1,2,4-Trichlorobenzene

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(2-4) **Lab ID: 20289019001** Collected: 09/11/23 13:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 21:28		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 21:28		
Aliphatic (>C16-C35)	**3.83J**	mg/kg	100	1.68		1	09/19/23 13:29	09/20/23 21:28	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:26		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:26		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:26		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:26		
Surrogates										
o-Terphenyl (S)	57.4	%	40.0-140			1	09/19/23 13:29	09/21/23 02:26	84-15-1	
1-Chloro-octadecane (S)	60.5	%	40.0-140			1	09/19/23 13:29	09/20/23 21:28		
2-Fluorobiphenyl (S)	83.4	%	40.0-140			1	09/19/23 13:29	09/21/23 02:26	321-60-8	
2-Bromonaphthalene (S)	83.2	%	40.0-140			1	09/19/23 13:29	09/21/23 02:26	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3340	732	1200000	1	09/13/23 09:30	09/18/23 15:25		
Aliphatic (>C08-C10)	ND	ug/kg	2750	914	120000	1	09/13/23 09:30	09/18/23 15:25		
Aromatic (>C08-C10)	ND	ug/kg	2750	263	65000	1	09/13/23 09:30	09/18/23 15:25		
Surrogates										
4-Bromofluorobenzene (S)	87	%.	63-133			1	09/13/23 09:30	09/18/23 15:25	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	1.9	0.28	3.1	1	09/14/23 09:38	09/14/23 14:18	7440-36-0	M1,R1
Arsenic	**6.9**	mg/kg	0.63	0.30	12	1	09/14/23 09:38	09/14/23 14:18	7440-38-2	
Barium	**130**	mg/kg	12.7	0.62	550	1	09/14/23 09:38	09/14/23 14:18	7440-39-3	M1
Beryllium	**0.73**	mg/kg	0.32	0.046	8	1	09/14/23 09:38	09/14/23 14:18	7440-41-7	R1
Cadmium	ND	mg/kg	0.32	0.045	3.9	1	09/14/23 09:38	09/14/23 14:18	7440-43-9	R1
Chromium	**17.5**	mg/kg	0.63	0.28	100	1	09/14/23 09:38	09/14/23 14:18	7440-47-3	
Cobalt	**9.1**	mg/kg	0.63	0.13	470	1	09/14/23 09:38	09/14/23 14:18	7440-48-4	
Copper	**13.8**	mg/kg	0.63	0.15	310	1	09/14/23 09:38	09/14/23 14:18	7440-50-8	
Lead	**12.8**	mg/kg	0.32	0.20	100	1	09/14/23 09:38	09/14/23 14:18	7439-92-1	
Nickel	**17.8**	mg/kg	2.5	2.0	160	1	09/14/23 09:38	09/14/23 14:18	7440-02-0	
Selenium	**0.48J**	mg/kg	1.3	0.37	20	1	09/14/23 09:38	09/14/23 14:18	7782-49-2	R1
Silver	ND	mg/kg	0.63	0.16	39	1	09/14/23 09:38	09/14/23 14:18	7440-22-4	R1
Thallium	**0.93**	mg/kg	0.32	0.24	.55	1	09/14/23 09:38	09/14/23 14:18	7440-28-0	R1
Vanadium	**36.2**	mg/kg	3.2	1.3	55	1	09/14/23 09:38	09/14/23 14:18	7440-62-2	
Zinc	**54.3**	mg/kg	3.2	1.6	2300	1	09/14/23 09:38	09/14/23 14:18	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(2-4) **Lab ID: 20289019001** Collected: 09/11/23 13:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.025**	mg/kg	0.017	0.011		1	09/14/23 09:45	09/14/23 13:36	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 17:02	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 17:02	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 17:02	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 17:02	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 17:02	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 17:02	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 17:02	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 17:02	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 17:02	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 17:02	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 17:02	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 17:02	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 17:02	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 17:02	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 17:02	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 17:02	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 17:02	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 17:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 17:02	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 17:02	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 17:02	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 17:02	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 17:02	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 17:02	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 17:02	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 17:02	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 17:02	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 17:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 17:02	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 17:02	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 17:02	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 17:02	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 17:02	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 17:02	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 17:02	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 17:02	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 17:02	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 17:02	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(2-4) **Lab ID: 20289019001** Collected: 09/11/23 13:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 17:02	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 17:02	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 17:02	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 17:02	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 17:02	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 17:02	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 17:02	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 17:02	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 17:02	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 17:02	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 17:02	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 17:02	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 17:02	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 17:02	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 17:02	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 17:02	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 17:02	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 17:02	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 17:02	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 17:02	88-85-7	
Surrogates										
2-Fluorophenol (S)	61.2	%	12.0-120			1	09/20/23 06:09	09/20/23 17:02	367-12-4	
Phenol-d5 (S)	57.8	%	10.0-120			1	09/20/23 06:09	09/20/23 17:02	4165-62-2	
Nitrobenzene-d5 (S)	58.7	%	10.0-122			1	09/20/23 06:09	09/20/23 17:02	4165-60-0	
2-Fluorobiphenyl (S)	48.3	%	15.0-120			1	09/20/23 06:09	09/20/23 17:02	321-60-8	
2,4,6-Tribromophenol (S)	75.7	%	10.0-127			1	09/20/23 06:09	09/20/23 17:02	118-79-6	
Terphenyl-d14 (S)	60.8	%	10.0-120			1	09/20/23 06:09	09/20/23 17:02	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0051J**	mg/kg	0.0083	0.0037	1.5	1	09/13/23 09:30	09/13/23 18:11	67-64-1	
Benzene	ND	mg/kg	0.0042	0.0012	.051	1	09/13/23 09:30	09/13/23 18:11	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0042	0.0012	.92	1	09/13/23 09:30	09/13/23 18:11	75-27-4	
Bromoform	ND	mg/kg	0.0042	0.0014	1.8	1	09/13/23 09:30	09/13/23 18:11	75-25-2	
Bromomethane	ND	mg/kg	0.0042	0.0012	.04	1	09/13/23 09:30	09/13/23 18:11	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0083	0.0024	5	1	09/13/23 09:30	09/13/23 18:11	78-93-3	
Carbon disulfide	ND	mg/kg	0.0042	0.0012	11	1	09/13/23 09:30	09/13/23 18:11	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	0.00089	.11	1	09/13/23 09:30	09/13/23 18:11	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	0.0012	3	1	09/13/23 09:30	09/13/23 18:11	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(2-4) **Lab ID: 20289019001** Collected: 09/11/23 13:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0042	0.0010	.035	1	09/13/23 09:30	09/13/23 18:11	75-00-3	
Chloroform	ND	mg/kg	0.0042	0.0012	.044	1	09/13/23 09:30	09/13/23 18:11	67-66-3	
Chloromethane	ND	mg/kg	0.0042	0.0010	.1	1	09/13/23 09:30	09/13/23 18:11	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0042	0.0015	.01	1	09/13/23 09:30	09/13/23 18:11	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0042	0.0013	1	1	09/13/23 09:30	09/13/23 18:11	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0042	0.0012	7.5	1	09/13/23 09:30	09/13/23 18:11	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	0.0012	.035	1	09/13/23 09:30	09/13/23 18:11	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	0.0011	.085	1	09/13/23 09:30	09/13/23 18:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0012	.49	1	09/13/23 09:30	09/13/23 18:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0011	.77	1	09/13/23 09:30	09/13/23 18:11	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	0.0013	.042	1	09/13/23 09:30	09/13/23 18:11	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0012	.04	1	09/13/23 09:30	09/13/23 18:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0013	.04	1	09/13/23 09:30	09/13/23 18:11	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	0.0012	19	1	09/13/23 09:30	09/13/23 18:11	100-41-4	
Isobutanol	ND	mg/kg	0.21	0.030	30	1	09/13/23 09:30	09/13/23 18:11	78-83-1	
Methylene Chloride	ND	mg/kg	0.0042	0.0039	.017	1	09/13/23 09:30	09/13/23 18:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0083	0.0016	6.4	1	09/13/23 09:30	09/13/23 18:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	0.0012	.077	1	09/13/23 09:30	09/13/23 18:11	1634-04-4	
Styrene	ND	mg/kg	0.0042	0.0013	11	1	09/13/23 09:30	09/13/23 18:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0012	.046	1	09/13/23 09:30	09/13/23 18:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0016	.006	1	09/13/23 09:30	09/13/23 18:11	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	0.0012	.18	1	09/13/23 09:30	09/13/23 18:11	127-18-4	
Toluene	ND	mg/kg	0.0042	0.0018	20	1	09/13/23 09:30	09/13/23 18:11	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	0.0012	14	1	09/13/23 09:30	09/13/23 18:11	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0042	0.0010	4	1	09/13/23 09:30	09/13/23 18:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	0.0012	.058	1	09/13/23 09:30	09/13/23 18:11	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	0.0012	.073	1	09/13/23 09:30	09/13/23 18:11	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	0.0010	37	1	09/13/23 09:30	09/13/23 18:11	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00092	.013	1	09/13/23 09:30	09/13/23 18:11	75-01-4	
m&p-Xylene	ND	mg/kg	0.0083	0.0027	18	1	09/13/23 09:30	09/13/23 18:11	179601-23-1	
o-Xylene	ND	mg/kg	0.0042	0.0013	18	1	09/13/23 09:30	09/13/23 18:11	95-47-6	
Surrogates										
Toluene-d8 (S)	101	%.	75-125			1	09/13/23 09:30	09/13/23 18:11	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	64-139			1	09/13/23 09:30	09/13/23 18:11	460-00-4	
Dibromofluoromethane (S)	109	%.	66-143			1	09/13/23 09:30	09/13/23 18:11	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(5-7) **Lab ID: 20289019002** Collected: 09/11/23 13:30 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 21:58		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 21:58		
Aliphatic (>C16-C35)	**2.39J**	mg/kg	100	1.68		1	09/19/23 13:29	09/20/23 21:58	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:02		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:02		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:02		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 02:02		
Surrogates										
o-Terphenyl (S)	54.6	%	40.0-140			1	09/19/23 13:29	09/21/23 02:02	84-15-1	
1-Chloro-octadecane (S)	47.9	%	40.0-140			1	09/19/23 13:29	09/20/23 21:58		
2-Fluorobiphenyl (S)	77.7	%	40.0-140			1	09/19/23 13:29	09/21/23 02:02	321-60-8	
2-Bromonaphthalene (S)	79.2	%	40.0-140			1	09/19/23 13:29	09/21/23 02:02	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3630	795	1200000	1	09/13/23 09:30	09/18/23 15:51		
Aliphatic (>C08-C10)	ND	ug/kg	2990	993	120000	1	09/13/23 09:30	09/18/23 15:51		
Aromatic (>C08-C10)	ND	ug/kg	2990	286	65000	1	09/13/23 09:30	09/18/23 15:51		
Surrogates										
4-Bromofluorobenzene (S)	92	%.	63-133			1	09/13/23 09:30	09/18/23 15:51	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	1.7	0.25	3.1	1	09/14/23 09:38	09/14/23 15:02	7440-36-0	
Arsenic	**3.8**	mg/kg	0.56	0.27	12	1	09/14/23 09:38	09/14/23 15:02	7440-38-2	
Barium	**104**	mg/kg	11.1	0.54	550	1	09/14/23 09:38	09/14/23 15:02	7440-39-3	
Beryllium	**0.40**	mg/kg	0.28	0.041	8	1	09/14/23 09:38	09/14/23 15:02	7440-41-7	
Cadmium	ND	mg/kg	0.28	0.039	3.9	1	09/14/23 09:38	09/14/23 15:02	7440-43-9	
Chromium	**11.6**	mg/kg	0.56	0.25	100	1	09/14/23 09:38	09/14/23 15:02	7440-47-3	
Cobalt	**4.9**	mg/kg	0.56	0.12	470	1	09/14/23 09:38	09/14/23 15:02	7440-48-4	
Copper	**8.9**	mg/kg	0.56	0.13	310	1	09/14/23 09:38	09/14/23 15:02	7440-50-8	
Lead	**7.7**	mg/kg	0.28	0.18	100	1	09/14/23 09:38	09/14/23 15:02	7439-92-1	
Nickel	**12.3**	mg/kg	2.2	1.8	160	1	09/14/23 09:38	09/14/23 15:02	7440-02-0	
Selenium	ND	mg/kg	1.1	0.33	20	1	09/14/23 09:38	09/14/23 15:02	7782-49-2	
Silver	ND	mg/kg	0.56	0.14	39	1	09/14/23 09:38	09/14/23 15:02	7440-22-4	
Thallium	ND	mg/kg	0.28	0.21	.55	1	09/14/23 09:38	09/14/23 15:02	7440-28-0	
Vanadium	**23.6**	mg/kg	2.8	1.1	55	1	09/14/23 09:38	09/14/23 15:02	7440-62-2	
Zinc	**34.5**	mg/kg	2.8	1.4	2300	1	09/14/23 09:38	09/14/23 15:02	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(5-7) **Lab ID: 20289019002** Collected: 09/11/23 13:30 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.015J**	mg/kg	0.020	0.013		1	09/14/23 09:45	09/14/23 13:38	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 14:59	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 14:59	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 14:59	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 14:59	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 14:59	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 14:59	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 14:59	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 14:59	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 14:59	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 14:59	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 14:59	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 14:59	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 14:59	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 14:59	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 14:59	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 14:59	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 14:59	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 14:59	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 14:59	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 14:59	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 14:59	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 14:59	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 14:59	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 14:59	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 14:59	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 14:59	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 14:59	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 14:59	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 14:59	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 14:59	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 14:59	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 14:59	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 14:59	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 14:59	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 14:59	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 14:59	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 14:59	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 14:59	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(5-7) **Lab ID: 20289019002** Collected: 09/11/23 13:30 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 14:59	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 14:59	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 14:59	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 14:59	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 14:59	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 14:59	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 14:59	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 14:59	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 14:59	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 14:59	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 14:59	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 14:59	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 14:59	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 14:59	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 14:59	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 14:59	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 14:59	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 14:59	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 14:59	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 14:59	88-85-7	
Surrogates										
2-Fluorophenol (S)	53.4	%	12.0-120			1	09/20/23 06:09	09/20/23 14:59	367-12-4	
Phenol-d5 (S)	50.2	%	10.0-120			1	09/20/23 06:09	09/20/23 14:59	4165-62-2	
Nitrobenzene-d5 (S)	51.8	%	10.0-122			1	09/20/23 06:09	09/20/23 14:59	4165-60-0	
2-Fluorobiphenyl (S)	42.3	%	15.0-120			1	09/20/23 06:09	09/20/23 14:59	321-60-8	
2,4,6-Tribromophenol (S)	68.9	%	10.0-127			1	09/20/23 06:09	09/20/23 14:59	118-79-6	
Terphenyl-d14 (S)	52.8	%	10.0-120			1	09/20/23 06:09	09/20/23 14:59	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0087	0.0038	1.5	1	09/13/23 09:30	09/13/23 18:32	67-64-1	
Benzene	ND	mg/kg	0.0043	0.0012	.051	1	09/13/23 09:30	09/13/23 18:32	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0043	0.0013	.92	1	09/13/23 09:30	09/13/23 18:32	75-27-4	
Bromoform	ND	mg/kg	0.0043	0.0014	1.8	1	09/13/23 09:30	09/13/23 18:32	75-25-2	
Bromomethane	ND	mg/kg	0.0043	0.0012	.04	1	09/13/23 09:30	09/13/23 18:32	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0087	0.0025	5	1	09/13/23 09:30	09/13/23 18:32	78-93-3	
Carbon disulfide	ND	mg/kg	0.0043	0.0013	11	1	09/13/23 09:30	09/13/23 18:32	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0043	0.00093	.11	1	09/13/23 09:30	09/13/23 18:32	56-23-5	
Chlorobenzene	ND	mg/kg	0.0043	0.0013	3	1	09/13/23 09:30	09/13/23 18:32	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(5-7) **Lab ID: 20289019002** Collected: 09/11/23 13:30 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0043	0.0011	.035	1	09/13/23 09:30	09/13/23 18:32	75-00-3	
Chloroform	ND	mg/kg	0.0043	0.0012	.044	1	09/13/23 09:30	09/13/23 18:32	67-66-3	
Chloromethane	ND	mg/kg	0.0043	0.0010	.1	1	09/13/23 09:30	09/13/23 18:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.0016	.01	1	09/13/23 09:30	09/13/23 18:32	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0043	0.0014	1	1	09/13/23 09:30	09/13/23 18:32	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0043	0.0013	7.5	1	09/13/23 09:30	09/13/23 18:32	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0043	0.0013	.035	1	09/13/23 09:30	09/13/23 18:32	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0043	0.0012	.085	1	09/13/23 09:30	09/13/23 18:32	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0012	.49	1	09/13/23 09:30	09/13/23 18:32	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0011	.77	1	09/13/23 09:30	09/13/23 18:32	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0043	0.0013	.042	1	09/13/23 09:30	09/13/23 18:32	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0013	.04	1	09/13/23 09:30	09/13/23 18:32	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0014	.04	1	09/13/23 09:30	09/13/23 18:32	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0043	0.0012	19	1	09/13/23 09:30	09/13/23 18:32	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/13/23 09:30	09/13/23 18:32	78-83-1	
Methylene Chloride	ND	mg/kg	0.0043	0.0040	.017	1	09/13/23 09:30	09/13/23 18:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0087	0.0016	6.4	1	09/13/23 09:30	09/13/23 18:32	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0043	0.0012	.077	1	09/13/23 09:30	09/13/23 18:32	1634-04-4	
Styrene	ND	mg/kg	0.0043	0.0014	11	1	09/13/23 09:30	09/13/23 18:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0013	.046	1	09/13/23 09:30	09/13/23 18:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0017	.006	1	09/13/23 09:30	09/13/23 18:32	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0043	0.0012	.18	1	09/13/23 09:30	09/13/23 18:32	127-18-4	
Toluene	ND	mg/kg	0.0043	0.0018	20	1	09/13/23 09:30	09/13/23 18:32	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	14	1	09/13/23 09:30	09/13/23 18:32	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.0011	4	1	09/13/23 09:30	09/13/23 18:32	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.0013	.058	1	09/13/23 09:30	09/13/23 18:32	79-00-5	
Trichloroethene	ND	mg/kg	0.0043	0.0012	.073	1	09/13/23 09:30	09/13/23 18:32	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0011	37	1	09/13/23 09:30	09/13/23 18:32	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00096	.013	1	09/13/23 09:30	09/13/23 18:32	75-01-4	
m&p-Xylene	ND	mg/kg	0.0087	0.0028	18	1	09/13/23 09:30	09/13/23 18:32	179601-23-1	
o-Xylene	ND	mg/kg	0.0043	0.0014	18	1	09/13/23 09:30	09/13/23 18:32	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/13/23 09:30	09/13/23 18:32	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	64-139			1	09/13/23 09:30	09/13/23 18:32	460-00-4	
Dibromofluoromethane (S)	105	%.	66-143			1	09/13/23 09:30	09/13/23 18:32	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(7-9) **Lab ID: 20289019003** Collected: 09/11/23 13:54 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 22:28		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 22:28		
Aliphatic (>C16-C35)	**2.19J**	mg/kg	100	1.68		1	09/19/23 13:29	09/20/23 22:28	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 01:38		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 01:38		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 01:38		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 01:38		
Surrogates										
o-Terphenyl (S)	67.1	%	40.0-140			1	09/19/23 13:29	09/21/23 01:38	84-15-1	
1-Chloro-octadecane (S)	52.6	%	40.0-140			1	09/19/23 13:29	09/20/23 22:28		
2-Fluorobiphenyl (S)	82.3	%	40.0-140			1	09/19/23 13:29	09/21/23 01:38	321-60-8	
2-Bromonaphthalene (S)	82.3	%	40.0-140			1	09/19/23 13:29	09/21/23 01:38	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4070	893	1200000	1	09/13/23 09:30	09/18/23 16:17		
Aliphatic (>C08-C10)	ND	ug/kg	3350	1120	120000	1	09/13/23 09:30	09/18/23 16:17		
Aromatic (>C08-C10)	ND	ug/kg	3350	321	65000	1	09/13/23 09:30	09/18/23 16:17		
Surrogates										
4-Bromofluorobenzene (S)	89	%.	63-133			1	09/13/23 09:30	09/18/23 16:17	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	1.5	0.23	3.1	1	09/14/23 09:38	09/14/23 15:06	7440-36-0	
Arsenic	**1.8**	mg/kg	0.52	0.25	12	1	09/14/23 09:38	09/14/23 15:06	7440-38-2	
Barium	**107**	mg/kg	10.3	0.51	550	1	09/14/23 09:38	09/14/23 15:06	7440-39-3	
Beryllium	**0.32**	mg/kg	0.26	0.038	8	1	09/14/23 09:38	09/14/23 15:06	7440-41-7	
Cadmium	ND	mg/kg	0.26	0.037	3.9	1	09/14/23 09:38	09/14/23 15:06	7440-43-9	
Chromium	**10.1**	mg/kg	0.52	0.23	100	1	09/14/23 09:38	09/14/23 15:06	7440-47-3	
Cobalt	**4.8**	mg/kg	0.52	0.11	470	1	09/14/23 09:38	09/14/23 15:06	7440-48-4	
Copper	**7.8**	mg/kg	0.52	0.12	310	1	09/14/23 09:38	09/14/23 15:06	7440-50-8	
Lead	**6.8**	mg/kg	0.26	0.16	100	1	09/14/23 09:38	09/14/23 15:06	7439-92-1	
Nickel	**12.3**	mg/kg	2.1	1.6	160	1	09/14/23 09:38	09/14/23 15:06	7440-02-0	
Selenium	**0.50J**	mg/kg	1.0	0.30	20	1	09/14/23 09:38	09/14/23 15:06	7782-49-2	
Silver	ND	mg/kg	0.52	0.13	39	1	09/14/23 09:38	09/14/23 15:06	7440-22-4	
Thallium	**0.25J**	mg/kg	0.26	0.20	.55	1	09/14/23 09:38	09/14/23 15:06	7440-28-0	
Vanadium	**18.2**	mg/kg	2.6	1.1	55	1	09/14/23 09:38	09/14/23 15:06	7440-62-2	
Zinc	**31.4**	mg/kg	2.6	1.3	2300	1	09/14/23 09:38	09/14/23 15:06	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(7-9) **Lab ID: 20289019003** Collected: 09/11/23 13:54 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.014J**	mg/kg	0.019	0.013		1	09/14/23 09:45	09/14/23 13:45	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 15:40	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 15:40	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 15:40	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 15:40	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 15:40	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 15:40	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 15:40	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 15:40	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 15:40	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 15:40	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 15:40	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 15:40	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 15:40	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 15:40	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 15:40	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 15:40	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 15:40	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 15:40	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 15:40	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 15:40	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 15:40	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 15:40	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 15:40	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 15:40	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 15:40	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 15:40	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 15:40	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 15:40	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 15:40	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 15:40	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 15:40	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 15:40	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 15:40	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 15:40	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 15:40	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 15:40	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 15:40	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 15:40	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(7-9) **Lab ID: 20289019003** Collected: 09/11/23 13:54 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 15:40	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 15:40	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 15:40	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 15:40	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 15:40	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 15:40	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 15:40	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 15:40	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 15:40	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 15:40	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 15:40	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 15:40	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 15:40	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 15:40	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 15:40	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 15:40	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 15:40	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 15:40	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 15:40	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 15:40	88-85-7	
Surrogates										
2-Fluorophenol (S)	46.9	%	12.0-120			1	09/20/23 06:09	09/20/23 15:40	367-12-4	
Phenol-d5 (S)	42.9	%	10.0-120			1	09/20/23 06:09	09/20/23 15:40	4165-62-2	
Nitrobenzene-d5 (S)	44.2	%	10.0-122			1	09/20/23 06:09	09/20/23 15:40	4165-60-0	
2-Fluorobiphenyl (S)	34.0	%	15.0-120			1	09/20/23 06:09	09/20/23 15:40	321-60-8	
2,4,6-Tribromophenol (S)	56.1	%	10.0-127			1	09/20/23 06:09	09/20/23 15:40	118-79-6	
Terphenyl-d14 (S)	40.5	%	10.0-120			1	09/20/23 06:09	09/20/23 15:40	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0078J**	mg/kg	0.010	0.0044	1.5	1	09/13/23 09:30	09/13/23 18:53	67-64-1	
Benzene	ND	mg/kg	0.0050	0.0014	.051	1	09/13/23 09:30	09/13/23 18:53	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0050	0.0015	.92	1	09/13/23 09:30	09/13/23 18:53	75-27-4	
Bromoform	ND	mg/kg	0.0050	0.0016	1.8	1	09/13/23 09:30	09/13/23 18:53	75-25-2	
Bromomethane	ND	mg/kg	0.0050	0.0014	.04	1	09/13/23 09:30	09/13/23 18:53	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.010	0.0029	5	1	09/13/23 09:30	09/13/23 18:53	78-93-3	
Carbon disulfide	ND	mg/kg	0.0050	0.0015	11	1	09/13/23 09:30	09/13/23 18:53	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	.11	1	09/13/23 09:30	09/13/23 18:53	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	0.0015	3	1	09/13/23 09:30	09/13/23 18:53	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(7-9) **Lab ID: 20289019003** Collected: 09/11/23 13:54 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0050	0.0012	.035	1	09/13/23 09:30	09/13/23 18:53	75-00-3	
Chloroform	ND	mg/kg	0.0050	0.0014	.044	1	09/13/23 09:30	09/13/23 18:53	67-66-3	
Chloromethane	ND	mg/kg	0.0050	0.0012	.1	1	09/13/23 09:30	09/13/23 18:53	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0018	.01	1	09/13/23 09:30	09/13/23 18:53	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0050	0.0016	1	1	09/13/23 09:30	09/13/23 18:53	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0015	7.5	1	09/13/23 09:30	09/13/23 18:53	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0015	.035	1	09/13/23 09:30	09/13/23 18:53	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0014	.085	1	09/13/23 09:30	09/13/23 18:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	.49	1	09/13/23 09:30	09/13/23 18:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	.77	1	09/13/23 09:30	09/13/23 18:53	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0015	.042	1	09/13/23 09:30	09/13/23 18:53	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0015	.04	1	09/13/23 09:30	09/13/23 18:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0016	.04	1	09/13/23 09:30	09/13/23 18:53	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	0.0014	19	1	09/13/23 09:30	09/13/23 18:53	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.036	30	1	09/13/23 09:30	09/13/23 18:53	78-83-1	
Methylene Chloride	ND	mg/kg	0.0050	0.0046	.017	1	09/13/23 09:30	09/13/23 18:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.010	0.0019	6.4	1	09/13/23 09:30	09/13/23 18:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	0.0014	.077	1	09/13/23 09:30	09/13/23 18:53	1634-04-4	
Styrene	ND	mg/kg	0.0050	0.0016	11	1	09/13/23 09:30	09/13/23 18:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0015	.046	1	09/13/23 09:30	09/13/23 18:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0019	.006	1	09/13/23 09:30	09/13/23 18:53	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	0.0014	.18	1	09/13/23 09:30	09/13/23 18:53	127-18-4	
Toluene	ND	mg/kg	0.0050	0.0021	20	1	09/13/23 09:30	09/13/23 18:53	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	14	1	09/13/23 09:30	09/13/23 18:53	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0012	4	1	09/13/23 09:30	09/13/23 18:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0015	.058	1	09/13/23 09:30	09/13/23 18:53	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	0.0014	.073	1	09/13/23 09:30	09/13/23 18:53	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0012	37	1	09/13/23 09:30	09/13/23 18:53	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/13/23 09:30	09/13/23 18:53	75-01-4	
m&p-Xylene	ND	mg/kg	0.010	0.0032	18	1	09/13/23 09:30	09/13/23 18:53	179601-23-1	
o-Xylene	ND	mg/kg	0.0050	0.0016	18	1	09/13/23 09:30	09/13/23 18:53	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/13/23 09:30	09/13/23 18:53	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	64-139			1	09/13/23 09:30	09/13/23 18:53	460-00-4	
Dibromofluoromethane (S)	104	%.	66-143			1	09/13/23 09:30	09/13/23 18:53	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(14-16) **Lab ID: 20289019004** Collected: 09/11/23 13:35 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 22:57		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/20/23 22:57		
Aliphatic (>C16-C35)	**2.91J**	mg/kg	100	1.68		1	09/19/23 13:29	09/20/23 22:57	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 00:55		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 00:55		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 00:55		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 00:55		
Surrogates										
o-Terphenyl (S)	72.4	%	40.0-140			1	09/19/23 13:29	09/21/23 00:55	84-15-1	
1-Chloro-octadecane (S)	58.6	%	40.0-140			1	09/19/23 13:29	09/20/23 22:57		
2-Fluorobiphenyl (S)	87.8	%	40.0-140			1	09/19/23 13:29	09/21/23 00:55	321-60-8	
2-Bromonaphthalene (S)	89.1	%	40.0-140			1	09/19/23 13:29	09/21/23 00:55	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3780	829	1200000	1	09/13/23 09:30	09/18/23 16:42		
Aliphatic (>C08-C10)	ND	ug/kg	3110	1040	120000	1	09/13/23 09:30	09/18/23 16:42		
Aromatic (>C08-C10)	ND	ug/kg	3110	298	65000	1	09/13/23 09:30	09/18/23 16:42		
Surrogates										
4-Bromofluorobenzene (S)	89	%.	63-133			1	09/13/23 09:30	09/18/23 16:42	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.8	0.42	3.1	1	09/14/23 09:38	09/14/23 15:09	7440-36-0	
Arsenic	**2.1**	mg/kg	0.93	0.44	12	1	09/14/23 09:38	09/14/23 15:09	7440-38-2	
Barium	**89.8**	mg/kg	18.5	0.91	550	1	09/14/23 09:38	09/14/23 15:09	7440-39-3	
Beryllium	**0.22J**	mg/kg	0.46	0.068	8	1	09/14/23 09:38	09/14/23 15:09	7440-41-7	
Cadmium	ND	mg/kg	0.46	0.066	3.9	1	09/14/23 09:38	09/14/23 15:09	7440-43-9	
Chromium	**9.2**	mg/kg	0.93	0.42	100	1	09/14/23 09:38	09/14/23 15:09	7440-47-3	
Cobalt	**4.5**	mg/kg	0.93	0.19	470	1	09/14/23 09:38	09/14/23 15:09	7440-48-4	
Copper	**6.1**	mg/kg	0.93	0.22	310	1	09/14/23 09:38	09/14/23 15:09	7440-50-8	
Lead	**5.5**	mg/kg	0.46	0.30	100	1	09/14/23 09:38	09/14/23 15:09	7439-92-1	
Nickel	**10.7**	mg/kg	3.7	3.0	160	1	09/14/23 09:38	09/14/23 15:09	7440-02-0	
Selenium	**0.61J**	mg/kg	1.9	0.54	20	1	09/14/23 09:38	09/14/23 15:09	7782-49-2	
Silver	ND	mg/kg	0.93	0.24	39	1	09/14/23 09:38	09/14/23 15:09	7440-22-4	
Thallium	ND	mg/kg	0.46	0.36	.55	1	09/14/23 09:38	09/14/23 15:09	7440-28-0	
Vanadium	**16.6**	mg/kg	4.6	1.9	55	1	09/14/23 09:38	09/14/23 15:09	7440-62-2	
Zinc	**28.8**	mg/kg	4.6	2.4	2300	1	09/14/23 09:38	09/14/23 15:09	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(14-16) **Lab ID: 20289019004** Collected: 09/11/23 13:35 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.011J**	mg/kg	0.018	0.011		1	09/14/23 09:45	09/14/23 13:48	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 16:42	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 16:42	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 16:42	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 16:42	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 16:42	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 16:42	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 16:42	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 16:42	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 16:42	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:42	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 16:42	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 16:42	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 16:42	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 16:42	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 16:42	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 16:42	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 16:42	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 16:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 16:42	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 16:42	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 16:42	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 16:42	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 16:42	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 16:42	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 16:42	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 16:42	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 16:42	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 16:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 16:42	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 16:42	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 16:42	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 16:42	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 16:42	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 16:42	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 16:42	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 16:42	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 16:42	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 16:42	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(14-16) **Lab ID: 20289019004** Collected: 09/11/23 13:35 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 16:42	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 16:42	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 16:42	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:42	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 16:42	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 16:42	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 16:42	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 16:42	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:42	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 16:42	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 16:42	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 16:42	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 16:42	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 16:42	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 16:42	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 16:42	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 16:42	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 16:42	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 16:42	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 16:42	88-85-7	
Surrogates										
2-Fluorophenol (S)	50.0	%	12.0-120			1	09/20/23 06:09	09/20/23 16:42	367-12-4	
Phenol-d5 (S)	46.1	%	10.0-120			1	09/20/23 06:09	09/20/23 16:42	4165-62-2	
Nitrobenzene-d5 (S)	45.2	%	10.0-122			1	09/20/23 06:09	09/20/23 16:42	4165-60-0	
2-Fluorobiphenyl (S)	37.3	%	15.0-120			1	09/20/23 06:09	09/20/23 16:42	321-60-8	
2,4,6-Tribromophenol (S)	61.9	%	10.0-127			1	09/20/23 06:09	09/20/23 16:42	118-79-6	
Terphenyl-d14 (S)	43.7	%	10.0-120			1	09/20/23 06:09	09/20/23 16:42	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0092**	mg/kg	0.0091	0.0040	1.5	1	09/13/23 09:30	09/13/23 19:14	67-64-1	
Benzene	ND	mg/kg	0.0045	0.0013	.051	1	09/13/23 09:30	09/13/23 19:14	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0014	.92	1	09/13/23 09:30	09/13/23 19:14	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/13/23 09:30	09/13/23 19:14	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/13/23 09:30	09/13/23 19:14	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0091	0.0027	5	1	09/13/23 09:30	09/13/23 19:14	78-93-3	
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/13/23 09:30	09/13/23 19:14	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00097	.11	1	09/13/23 09:30	09/13/23 19:14	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/13/23 09:30	09/13/23 19:14	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-5(14-16) **Lab ID: 20289019004** Collected: 09/11/23 13:35 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/13/23 09:30	09/13/23 19:14	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/13/23 09:30	09/13/23 19:14	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/13/23 09:30	09/13/23 19:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/13/23 09:30	09/13/23 19:14	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/13/23 09:30	09/13/23 19:14	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0014	7.5	1	09/13/23 09:30	09/13/23 19:14	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0013	.035	1	09/13/23 09:30	09/13/23 19:14	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/13/23 09:30	09/13/23 19:14	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0013	.49	1	09/13/23 09:30	09/13/23 19:14	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0012	.77	1	09/13/23 09:30	09/13/23 19:14	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/13/23 09:30	09/13/23 19:14	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/13/23 09:30	09/13/23 19:14	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0014	.04	1	09/13/23 09:30	09/13/23 19:14	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0013	19	1	09/13/23 09:30	09/13/23 19:14	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.033	30	1	09/13/23 09:30	09/13/23 19:14	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0042	.017	1	09/13/23 09:30	09/13/23 19:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0091	0.0017	6.4	1	09/13/23 09:30	09/13/23 19:14	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/13/23 09:30	09/13/23 19:14	1634-04-4	
Styrene	ND	mg/kg	0.0045	0.0015	11	1	09/13/23 09:30	09/13/23 19:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/13/23 09:30	09/13/23 19:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/13/23 09:30	09/13/23 19:14	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/13/23 09:30	09/13/23 19:14	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/13/23 09:30	09/13/23 19:14	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0014	14	1	09/13/23 09:30	09/13/23 19:14	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/13/23 09:30	09/13/23 19:14	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0014	.058	1	09/13/23 09:30	09/13/23 19:14	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/13/23 09:30	09/13/23 19:14	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/13/23 09:30	09/13/23 19:14	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.0010	.013	1	09/13/23 09:30	09/13/23 19:14	75-01-4	
m&p-Xylene	ND	mg/kg	0.0091	0.0029	18	1	09/13/23 09:30	09/13/23 19:14	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/13/23 09:30	09/13/23 19:14	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/13/23 09:30	09/13/23 19:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	64-139			1	09/13/23 09:30	09/13/23 19:14	460-00-4	
Dibromofluoromethane (S)	108	%.	66-143			1	09/13/23 09:30	09/13/23 19:14	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(2-4) **Lab ID: 20289019005** Collected: 09/11/23 15:33 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:27	09/23/23 09:46		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:27	09/23/23 09:46		
Aliphatic (>C16-C35)	**3.52J**	mg/kg	100	1.68		1	09/21/23 12:27	09/23/23 09:46	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:27	09/23/23 21:53		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:27	09/23/23 21:53		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:27	09/23/23 21:53		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:27	09/23/23 21:53		
Surrogates										
o-Terphenyl (S)	64.6	%	40.0-140			1	09/21/23 12:27	09/23/23 21:53	84-15-1	
1-Chloro-octadecane (S)	65.2	%	40.0-140			1	09/21/23 12:27	09/23/23 09:46		
2-Fluorobiphenyl (S)	85.0	%	40.0-140			1	09/21/23 12:27	09/23/23 21:53	321-60-8	
2-Bromonaphthalene (S)	87.2	%	40.0-140			1	09/21/23 12:27	09/23/23 21:53	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3700	812	1200000	1	09/13/23 09:30	09/18/23 17:07		
Aliphatic (>C08-C10)	ND	ug/kg	3050	1010	120000	1	09/13/23 09:30	09/18/23 17:07		
Aromatic (>C08-C10)	ND	ug/kg	3050	292	65000	1	09/13/23 09:30	09/18/23 17:07		
Surrogates										
4-Bromofluorobenzene (S)	91	%.	63-133			1	09/13/23 09:30	09/18/23 17:07	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.0**	mg/kg	0.78	0.38	12	1	09/14/23 09:38	09/14/23 15:13	7440-38-2	
Barium	**137**	mg/kg	15.6	0.77	550	1	09/14/23 09:38	09/14/23 15:13	7440-39-3	
Cadmium	ND	mg/kg	0.39	0.055	3.9	1	09/14/23 09:38	09/14/23 15:13	7440-43-9	
Chromium	**15.2**	mg/kg	0.78	0.35	100	1	09/14/23 09:38	09/14/23 15:13	7440-47-3	
Lead	**16.5**	mg/kg	0.39	0.25	100	1	09/14/23 09:38	09/14/23 15:13	7439-92-1	
Selenium	**0.96J**	mg/kg	1.6	0.46	20	1	09/14/23 09:38	09/14/23 15:13	7782-49-2	
Silver	**0.32J**	mg/kg	0.78	0.20	39	1	09/14/23 09:38	09/14/23 15:13	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.028**	mg/kg	0.019	0.012		1	09/14/23 09:45	09/14/23 13:55	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 17:23	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 17:23	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 17:23	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 17:23	120-12-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(2-4) **Lab ID: 20289019005** Collected: 09/11/23 15:33 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Benzo(a)anthracene	**0.00793J**	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 17:23	56-55-3	J
Benzo(b)fluoranthene	**0.0103J**	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 17:23	205-99-2	J
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 17:23	207-08-9	
Benzo(a)pyrene	**0.00717J**	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 17:23	50-32-8	J
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 17:23	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 17:23	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 17:23	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 17:23	91-58-7	
Chrysene	**0.00774J**	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 17:23	218-01-9	J
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 17:23	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 17:23	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 17:23	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 17:23	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 17:23	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 17:23	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 17:23	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 17:23	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 17:23	606-20-2	
Fluoranthene	**0.0131J**	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 17:23	206-44-0	J
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 17:23	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 17:23	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 17:23	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 17:23	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 17:23	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 17:23	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 17:23	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 17:23	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 17:23	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 17:23	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 17:23	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 17:23	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 17:23	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 17:23	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 17:23	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 17:23	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 17:23	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 17:23	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 17:23	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 17:23	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 17:23	117-84-0	
Pyrene	**0.0102J**	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 17:23	129-00-0	J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(2-4) **Lab ID: 20289019005** Collected: 09/11/23 15:33 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 17:23	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 17:23	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 17:23	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 17:23	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 17:23	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 17:23	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 17:23	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 17:23	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 17:23	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 17:23	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 17:23	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 17:23	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 17:23	88-85-7	
Surrogates										
2-Fluorophenol (S)	36.0	%	12.0-120			1	09/20/23 06:09	09/20/23 17:23	367-12-4	
Phenol-d5 (S)	52.2	%	10.0-120			1	09/20/23 06:09	09/20/23 17:23	4165-62-2	
Nitrobenzene-d5 (S)	57.7	%	10.0-122			1	09/20/23 06:09	09/20/23 17:23	4165-60-0	
2-Fluorobiphenyl (S)	49.7	%	15.0-120			1	09/20/23 06:09	09/20/23 17:23	321-60-8	
2,4,6-Tribromophenol (S)	68.1	%	10.0-127			1	09/20/23 06:09	09/20/23 17:23	118-79-6	
Terphenyl-d14 (S)	63.9	%	10.0-120			1	09/20/23 06:09	09/20/23 17:23	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0047J**	mg/kg	0.0084	0.0037	1.5	1	09/13/23 09:30	09/13/23 19:35	67-64-1	
Benzene	ND	mg/kg	0.0042	0.0012	.051	1	09/13/23 09:30	09/13/23 19:35	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0042	0.0013	.92	1	09/13/23 09:30	09/13/23 19:35	75-27-4	
Bromoform	ND	mg/kg	0.0042	0.0014	1.8	1	09/13/23 09:30	09/13/23 19:35	75-25-2	
Bromomethane	ND	mg/kg	0.0042	0.0012	.04	1	09/13/23 09:30	09/13/23 19:35	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0084	0.0025	5	1	09/13/23 09:30	09/13/23 19:35	78-93-3	
Carbon disulfide	ND	mg/kg	0.0042	0.0012	11	1	09/13/23 09:30	09/13/23 19:35	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	0.00090	.11	1	09/13/23 09:30	09/13/23 19:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	0.0012	3	1	09/13/23 09:30	09/13/23 19:35	108-90-7	
Chloroethane	ND	mg/kg	0.0042	0.0010	.035	1	09/13/23 09:30	09/13/23 19:35	75-00-3	
Chloroform	ND	mg/kg	0.0042	0.0012	.044	1	09/13/23 09:30	09/13/23 19:35	67-66-3	
Chloromethane	ND	mg/kg	0.0042	0.0010	.1	1	09/13/23 09:30	09/13/23 19:35	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0042	0.0015	.01	1	09/13/23 09:30	09/13/23 19:35	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0042	0.0013	1	1	09/13/23 09:30	09/13/23 19:35	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0042	0.0013	7.5	1	09/13/23 09:30	09/13/23 19:35	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	0.0013	.035	1	09/13/23 09:30	09/13/23 19:35	107-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(2-4) **Lab ID: 20289019005** Collected: 09/11/23 15:33 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,1-Dichloroethene	ND	mg/kg	0.0042	0.0012	.085	1	09/13/23 09:30	09/13/23 19:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0012	.49	1	09/13/23 09:30	09/13/23 19:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0011	.77	1	09/13/23 09:30	09/13/23 19:35	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	0.0013	.042	1	09/13/23 09:30	09/13/23 19:35	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0012	.04	1	09/13/23 09:30	09/13/23 19:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0014	.04	1	09/13/23 09:30	09/13/23 19:35	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	0.0012	19	1	09/13/23 09:30	09/13/23 19:35	100-41-4	
Isobutanol	ND	mg/kg	0.21	0.031	30	1	09/13/23 09:30	09/13/23 19:35	78-83-1	
Methylene Chloride	ND	mg/kg	0.0042	0.0039	.017	1	09/13/23 09:30	09/13/23 19:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0084	0.0016	6.4	1	09/13/23 09:30	09/13/23 19:35	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	0.0012	.077	1	09/13/23 09:30	09/13/23 19:35	1634-04-4	
Styrene	ND	mg/kg	0.0042	0.0014	11	1	09/13/23 09:30	09/13/23 19:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0012	.046	1	09/13/23 09:30	09/13/23 19:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0016	.006	1	09/13/23 09:30	09/13/23 19:35	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	0.0012	.18	1	09/13/23 09:30	09/13/23 19:35	127-18-4	
Toluene	ND	mg/kg	0.0042	0.0018	20	1	09/13/23 09:30	09/13/23 19:35	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	0.0013	14	1	09/13/23 09:30	09/13/23 19:35	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0042	0.0011	4	1	09/13/23 09:30	09/13/23 19:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	0.0013	.058	1	09/13/23 09:30	09/13/23 19:35	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	0.0012	.073	1	09/13/23 09:30	09/13/23 19:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	0.0010	37	1	09/13/23 09:30	09/13/23 19:35	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00094	.013	1	09/13/23 09:30	09/13/23 19:35	75-01-4	
m&p-Xylene	ND	mg/kg	0.0084	0.0027	18	1	09/13/23 09:30	09/13/23 19:35	179601-23-1	
o-Xylene	ND	mg/kg	0.0042	0.0013	18	1	09/13/23 09:30	09/13/23 19:35	95-47-6	
Surrogates										
Toluene-d8 (S)	102	%.	75-125			1	09/13/23 09:30	09/13/23 19:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	64-139			1	09/13/23 09:30	09/13/23 19:35	460-00-4	
Dibromofluoromethane (S)	108	%.	66-143			1	09/13/23 09:30	09/13/23 19:35	1868-53-7	

Sample: B-6(9-11) **Lab ID: 20289019006** Collected: 09/11/23 15:14 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/21/23 06:32		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/21/23 06:32		
Aliphatic (>C16-C35)	**2.72J**	mg/kg	100	1.68		1	09/19/23 13:29	09/21/23 06:32	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 10:19		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 10:19		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 10:19		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(9-11) **Lab ID: 20289019006** Collected: 09/11/23 15:14 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 10:19		
Surrogates										
o-Terphenyl (S)	61.2	%	40.0-140			1	09/19/23 13:29	09/21/23 10:19	84-15-1	
1-Chloro-octadecane (S)	53.5	%	40.0-140			1	09/19/23 13:29	09/21/23 06:32		
2-Fluorobiphenyl (S)	83.5	%	40.0-140			1	09/19/23 13:29	09/21/23 10:19	321-60-8	
2-Bromonaphthalene (S)	84.7	%	40.0-140			1	09/19/23 13:29	09/21/23 10:19	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3810	835	1200000	1	09/13/23 09:30	09/18/23 17:33		
Aliphatic (>C08-C10)	ND	ug/kg	3140	1040	120000	1	09/13/23 09:30	09/18/23 17:33		
Aromatic (>C08-C10)	ND	ug/kg	3140	300	65000	1	09/13/23 09:30	09/18/23 17:33		
Surrogates										
4-Bromofluorobenzene (S)	92	%.	63-133			1	09/13/23 09:30	09/18/23 17:33	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**1.4**	mg/kg	0.51	0.24	12	1	09/14/23 09:38	09/14/23 15:17	7440-38-2	
Barium	**104**	mg/kg	10.2	0.50	550	1	09/14/23 09:38	09/14/23 15:17	7440-39-3	
Cadmium	ND	mg/kg	0.26	0.036	3.9	1	09/14/23 09:38	09/14/23 15:17	7440-43-9	
Chromium	**10.9**	mg/kg	0.51	0.23	100	1	09/14/23 09:38	09/14/23 15:17	7440-47-3	
Lead	**6.3**	mg/kg	0.26	0.16	100	1	09/14/23 09:38	09/14/23 15:17	7439-92-1	
Selenium	ND	mg/kg	1.0	0.30	20	1	09/14/23 09:38	09/14/23 15:17	7782-49-2	
Silver	ND	mg/kg	0.51	0.13	39	1	09/14/23 09:38	09/14/23 15:17	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.013J**	mg/kg	0.018	0.012		1	09/14/23 09:45	09/14/23 13:57	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 15:20	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 15:20	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 15:20	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 15:20	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 15:20	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 15:20	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 15:20	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 15:20	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 15:20	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 15:20	111-44-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(9-11) **Lab ID: 20289019006** Collected: 09/11/23 15:14 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 15:20	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 15:20	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 15:20	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 15:20	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 15:20	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 15:20	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 15:20	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 15:20	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 15:20	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 15:20	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 15:20	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 15:20	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 15:20	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 15:20	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 15:20	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 15:20	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 15:20	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 15:20	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 15:20	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 15:20	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 15:20	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 15:20	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 15:20	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 15:20	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 15:20	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 15:20	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 15:20	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 15:20	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 15:20	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 15:20	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 15:20	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 15:20	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 15:20	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 15:20	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 15:20	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 15:20	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 15:20	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 15:20	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 15:20	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 15:20	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 15:20	100-02-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(9-11) **Lab ID: 20289019006** Collected: 09/11/23 15:14 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 15:20	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 15:20	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 15:20	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 15:20	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 15:20	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 15:20	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 15:20	88-85-7	
Surrogates										
2-Fluorophenol (S)	46.3	%	12.0-120			1	09/20/23 06:09	09/20/23 15:20	367-12-4	
Phenol-d5 (S)	42.1	%	10.0-120			1	09/20/23 06:09	09/20/23 15:20	4165-62-2	
Nitrobenzene-d5 (S)	42.4	%	10.0-122			1	09/20/23 06:09	09/20/23 15:20	4165-60-0	
2-Fluorobiphenyl (S)	35.2	%	15.0-120			1	09/20/23 06:09	09/20/23 15:20	321-60-8	
2,4,6-Tribromophenol (S)	53.4	%	10.0-127			1	09/20/23 06:09	09/20/23 15:20	118-79-6	
Terphenyl-d14 (S)	43.6	%	10.0-120			1	09/20/23 06:09	09/20/23 15:20	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0067J**	mg/kg	0.0088	0.0039	1.5	1	09/13/23 09:30	09/13/23 19:56	67-64-1	
Benzene	ND	mg/kg	0.0044	0.0012	.051	1	09/13/23 09:30	09/13/23 19:56	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0044	0.0013	.92	1	09/13/23 09:30	09/13/23 19:56	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0014	1.8	1	09/13/23 09:30	09/13/23 19:56	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0013	.04	1	09/13/23 09:30	09/13/23 19:56	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0088	0.0026	5	1	09/13/23 09:30	09/13/23 19:56	78-93-3	
Carbon disulfide	ND	mg/kg	0.0044	0.0013	11	1	09/13/23 09:30	09/13/23 19:56	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.00094	.11	1	09/13/23 09:30	09/13/23 19:56	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0013	3	1	09/13/23 09:30	09/13/23 19:56	108-90-7	
Chloroethane	ND	mg/kg	0.0044	0.0011	.035	1	09/13/23 09:30	09/13/23 19:56	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0012	.044	1	09/13/23 09:30	09/13/23 19:56	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0011	.1	1	09/13/23 09:30	09/13/23 19:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0016	.01	1	09/13/23 09:30	09/13/23 19:56	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0044	0.0014	1	1	09/13/23 09:30	09/13/23 19:56	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0013	7.5	1	09/13/23 09:30	09/13/23 19:56	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0013	.035	1	09/13/23 09:30	09/13/23 19:56	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0012	.085	1	09/13/23 09:30	09/13/23 19:56	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	.49	1	09/13/23 09:30	09/13/23 19:56	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0011	.77	1	09/13/23 09:30	09/13/23 19:56	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0013	.042	1	09/13/23 09:30	09/13/23 19:56	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0013	.04	1	09/13/23 09:30	09/13/23 19:56	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0014	.04	1	09/13/23 09:30	09/13/23 19:56	10061-02-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(9-11) **Lab ID: 20289019006** Collected: 09/11/23 15:14 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Ethylbenzene	ND	mg/kg	0.0044	0.0012	19	1	09/13/23 09:30	09/13/23 19:56	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/13/23 09:30	09/13/23 19:56	78-83-1	
Methylene Chloride	ND	mg/kg	0.0044	0.0041	.017	1	09/13/23 09:30	09/13/23 19:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0088	0.0016	6.4	1	09/13/23 09:30	09/13/23 19:56	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0013	.077	1	09/13/23 09:30	09/13/23 19:56	1634-04-4	
Styrene	ND	mg/kg	0.0044	0.0014	11	1	09/13/23 09:30	09/13/23 19:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0013	.046	1	09/13/23 09:30	09/13/23 19:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0017	.006	1	09/13/23 09:30	09/13/23 19:56	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.0013	.18	1	09/13/23 09:30	09/13/23 19:56	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0019	20	1	09/13/23 09:30	09/13/23 19:56	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	14	1	09/13/23 09:30	09/13/23 19:56	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0011	4	1	09/13/23 09:30	09/13/23 19:56	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0013	.058	1	09/13/23 09:30	09/13/23 19:56	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.0013	.073	1	09/13/23 09:30	09/13/23 19:56	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0011	37	1	09/13/23 09:30	09/13/23 19:56	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00098	.013	1	09/13/23 09:30	09/13/23 19:56	75-01-4	
m&p-Xylene	ND	mg/kg	0.0088	0.0028	18	1	09/13/23 09:30	09/13/23 19:56	179601-23-1	
o-Xylene	ND	mg/kg	0.0044	0.0014	18	1	09/13/23 09:30	09/13/23 19:56	95-47-6	
Surrogates										
Toluene-d8 (S)	101	%.	75-125			1	09/13/23 09:30	09/13/23 19:56	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	64-139			1	09/13/23 09:30	09/13/23 19:56	460-00-4	
Dibromofluoromethane (S)	104	%.	66-143			1	09/13/23 09:30	09/13/23 19:56	1868-53-7	

Sample: B-6(14-16) **Lab ID: 20289019007** Collected: 09/11/23 15:19 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/21/23 06:56		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/21/23 06:56		
Aliphatic (>C16-C35)	**2.65J**	mg/kg	100	1.68		1	09/19/23 13:29	09/21/23 06:56	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:55		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:55		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:55		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:55		
Surrogates										
o-Terphenyl (S)	60.1	%	40.0-140			1	09/19/23 13:29	09/21/23 09:55	84-15-1	
1-Chloro-octadecane (S)	55.4	%	40.0-140			1	09/19/23 13:29	09/21/23 06:56		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(14-16) **Lab ID: 20289019007** Collected: 09/11/23 15:19 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Surrogates										
2-Fluorobiphenyl (S)	82.2	%	40.0-140			1	09/19/23 13:29	09/21/23 09:55	321-60-8	
2-Bromonaphthalene (S)	83.7	%	40.0-140			1	09/19/23 13:29	09/21/23 09:55	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4000	878	1200000	1	09/13/23 09:30	09/18/23 17:58		
Aliphatic (>C08-C10)	ND	ug/kg	3300	1100	120000	1	09/13/23 09:30	09/18/23 17:58		
Aromatic (>C08-C10)	ND	ug/kg	3300	316	65000	1	09/13/23 09:30	09/18/23 17:58		
Surrogates										
4-Bromofluorobenzene (S)	87	%.	63-133			1	09/13/23 09:30	09/18/23 17:58	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.0**	mg/kg	0.57	0.28	12	1	09/14/23 09:38	09/14/23 15:21	7440-38-2	
Barium	**93.4**	mg/kg	11.5	0.56	550	1	09/14/23 09:38	09/14/23 15:21	7440-39-3	
Cadmium	ND	mg/kg	0.29	0.041	3.9	1	09/14/23 09:38	09/14/23 15:21	7440-43-9	
Chromium	**9.9**	mg/kg	0.57	0.26	100	1	09/14/23 09:38	09/14/23 15:21	7440-47-3	
Lead	**6.6**	mg/kg	0.29	0.18	100	1	09/14/23 09:38	09/14/23 15:21	7439-92-1	
Selenium	**0.40J**	mg/kg	1.1	0.34	20	1	09/14/23 09:38	09/14/23 15:21	7782-49-2	
Silver	ND	mg/kg	0.57	0.15	39	1	09/14/23 09:38	09/14/23 15:21	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.013J**	mg/kg	0.015	0.0098		1	09/14/23 09:45	09/14/23 14:00	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 16:01	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 16:01	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 16:01	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 16:01	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 16:01	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 16:01	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 16:01	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 16:01	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 16:01	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:01	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 16:01	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 16:01	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 16:01	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 16:01	53-70-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(14-16) **Lab ID: 20289019007** Collected: 09/11/23 15:19 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 16:01	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 16:01	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 16:01	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 16:01	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 16:01	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 16:01	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 16:01	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 16:01	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 16:01	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 16:01	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 16:01	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 16:01	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 16:01	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 16:01	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 16:01	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 16:01	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 16:01	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 16:01	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 16:01	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 16:01	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 16:01	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 16:01	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 16:01	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 16:01	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 16:01	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 16:01	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 16:01	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:01	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 16:01	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 16:01	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 16:01	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 16:01	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:01	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 16:01	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 16:01	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 16:01	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 16:01	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 16:01	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 16:01	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 16:01	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 16:01	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 16:01	88-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(14-16) **Lab ID: 20289019007** Collected: 09/11/23 15:19 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 16:01	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 16:01	88-85-7	
Surrogates										
2-Fluorophenol (S)	52.2	%	12.0-120			1	09/20/23 06:09	09/20/23 16:01	367-12-4	
Phenol-d5 (S)	47.4	%	10.0-120			1	09/20/23 06:09	09/20/23 16:01	4165-62-2	
Nitrobenzene-d5 (S)	45.5	%	10.0-122			1	09/20/23 06:09	09/20/23 16:01	4165-60-0	
2-Fluorobiphenyl (S)	39.7	%	15.0-120			1	09/20/23 06:09	09/20/23 16:01	321-60-8	
2,4,6-Tribromophenol (S)	63.1	%	10.0-127			1	09/20/23 06:09	09/20/23 16:01	118-79-6	
Terphenyl-d14 (S)	46.2	%	10.0-120			1	09/20/23 06:09	09/20/23 16:01	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.012**	mg/kg	0.0098	0.0043	1.5	1	09/13/23 09:30	09/13/23 20:17	67-64-1	
Benzene	ND	mg/kg	0.0049	0.0014	.051	1	09/13/23 09:30	09/13/23 20:17	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0049	0.0015	.92	1	09/13/23 09:30	09/13/23 20:17	75-27-4	
Bromoform	ND	mg/kg	0.0049	0.0016	1.8	1	09/13/23 09:30	09/13/23 20:17	75-25-2	
Bromomethane	ND	mg/kg	0.0049	0.0014	.04	1	09/13/23 09:30	09/13/23 20:17	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0098	0.0029	5	1	09/13/23 09:30	09/13/23 20:17	78-93-3	
Carbon disulfide	ND	mg/kg	0.0049	0.0014	11	1	09/13/23 09:30	09/13/23 20:17	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	0.0010	.11	1	09/13/23 09:30	09/13/23 20:17	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	0.0014	3	1	09/13/23 09:30	09/13/23 20:17	108-90-7	
Chloroethane	ND	mg/kg	0.0049	0.0012	.035	1	09/13/23 09:30	09/13/23 20:17	75-00-3	
Chloroform	ND	mg/kg	0.0049	0.0014	.044	1	09/13/23 09:30	09/13/23 20:17	67-66-3	
Chloromethane	ND	mg/kg	0.0049	0.0012	.1	1	09/13/23 09:30	09/13/23 20:17	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0049	0.0018	.01	1	09/13/23 09:30	09/13/23 20:17	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0049	0.0016	1	1	09/13/23 09:30	09/13/23 20:17	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0049	0.0015	7.5	1	09/13/23 09:30	09/13/23 20:17	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	0.0015	.035	1	09/13/23 09:30	09/13/23 20:17	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	0.0013	.085	1	09/13/23 09:30	09/13/23 20:17	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0014	.49	1	09/13/23 09:30	09/13/23 20:17	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0012	.77	1	09/13/23 09:30	09/13/23 20:17	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	0.0015	.042	1	09/13/23 09:30	09/13/23 20:17	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0014	.04	1	09/13/23 09:30	09/13/23 20:17	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0016	.04	1	09/13/23 09:30	09/13/23 20:17	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	0.0014	19	1	09/13/23 09:30	09/13/23 20:17	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.036	30	1	09/13/23 09:30	09/13/23 20:17	78-83-1	
Methylene Chloride	ND	mg/kg	0.0049	0.0045	.017	1	09/13/23 09:30	09/13/23 20:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0098	0.0018	6.4	1	09/13/23 09:30	09/13/23 20:17	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	0.0014	.077	1	09/13/23 09:30	09/13/23 20:17	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: B-6(14-16) **Lab ID: 20289019007** Collected: 09/11/23 15:19 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Styrene	ND	mg/kg	0.0049	0.0016	11	1	09/13/23 09:30	09/13/23 20:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0014	.046	1	09/13/23 09:30	09/13/23 20:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0019	.006	1	09/13/23 09:30	09/13/23 20:17	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	0.0014	.18	1	09/13/23 09:30	09/13/23 20:17	127-18-4	
Toluene	ND	mg/kg	0.0049	0.0021	20	1	09/13/23 09:30	09/13/23 20:17	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	0.0015	14	1	09/13/23 09:30	09/13/23 20:17	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0049	0.0012	4	1	09/13/23 09:30	09/13/23 20:17	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	0.0015	.058	1	09/13/23 09:30	09/13/23 20:17	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	0.0014	.073	1	09/13/23 09:30	09/13/23 20:17	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	0.0012	37	1	09/13/23 09:30	09/13/23 20:17	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/13/23 09:30	09/13/23 20:17	75-01-4	
m&p-Xylene	ND	mg/kg	0.0098	0.0032	18	1	09/13/23 09:30	09/13/23 20:17	179601-23-1	
o-Xylene	ND	mg/kg	0.0049	0.0015	18	1	09/13/23 09:30	09/13/23 20:17	95-47-6	
Surrogates										
Toluene-d8 (S)	102	%.	75-125			1	09/13/23 09:30	09/13/23 20:17	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/13/23 09:30	09/13/23 20:17	460-00-4	
Dibromofluoromethane (S)	111	%.	66-143			1	09/13/23 09:30	09/13/23 20:17	1868-53-7	

Sample: Duplicate 1 **Lab ID: 20289019008** Collected: 09/11/23 15:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/21/23 09:00		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/19/23 13:29	09/21/23 09:00		
Aliphatic (>C16-C35)	**2.37J**	mg/kg	100	1.68		1	09/19/23 13:29	09/21/23 09:00	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:31		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:31		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:31		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/19/23 13:29	09/21/23 09:31		
Surrogates										
o-Terphenyl (S)	62.7	%	40.0-140			1	09/19/23 13:29	09/21/23 09:31	84-15-1	
1-Chloro-octadecane (S)	64.6	%	40.0-140			1	09/19/23 13:29	09/21/23 09:00		
2-Fluorobiphenyl (S)	71.2	%	40.0-140			1	09/19/23 13:29	09/21/23 09:31	321-60-8	
2-Bromonaphthalene (S)	70.8	%	40.0-140			1	09/19/23 13:29	09/21/23 09:31	580-13-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: Duplicate 1 **Lab ID: 20289019008** Collected: 09/11/23 15:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4010	879	1200000	1	09/13/23 09:30	09/18/23 18:24		
Aliphatic (>C08-C10)	ND	ug/kg	3300	1100	120000	1	09/13/23 09:30	09/18/23 18:24		
Aromatic (>C08-C10)	ND	ug/kg	3300	316	65000	1	09/13/23 09:30	09/18/23 18:24		
Surrogates										
4-Bromofluorobenzene (S)	89	%.	63-133			1	09/13/23 09:30	09/18/23 18:24	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.2**	mg/kg	0.54	0.26	12	1	09/14/23 09:38	09/14/23 15:25	7440-38-2	
Barium	**81.3**	mg/kg	10.8	0.53	550	1	09/14/23 09:38	09/14/23 15:25	7440-39-3	
Cadmium	ND	mg/kg	0.27	0.038	3.9	1	09/14/23 09:38	09/14/23 15:25	7440-43-9	
Chromium	**8.2**	mg/kg	0.54	0.24	100	1	09/14/23 09:38	09/14/23 15:25	7440-47-3	
Lead	**5.2**	mg/kg	0.27	0.17	100	1	09/14/23 09:38	09/14/23 15:25	7439-92-1	
Selenium	**0.66J**	mg/kg	1.1	0.32	20	1	09/14/23 09:38	09/14/23 15:25	7782-49-2	
Silver	ND	mg/kg	0.54	0.14	39	1	09/14/23 09:38	09/14/23 15:25	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.011J**	mg/kg	0.013	0.0087		1	09/14/23 09:45	09/14/23 14:02	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/20/23 06:09	09/20/23 16:21	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/20/23 06:09	09/20/23 16:21	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/20/23 06:09	09/20/23 16:21	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/20/23 06:09	09/20/23 16:21	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/20/23 06:09	09/20/23 16:21	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/20/23 06:09	09/20/23 16:21	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/20/23 06:09	09/20/23 16:21	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/20/23 06:09	09/20/23 16:21	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 16:21	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:21	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/20/23 06:09	09/20/23 16:21	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/20/23 06:09	09/20/23 16:21	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/20/23 06:09	09/20/23 16:21	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/20/23 06:09	09/20/23 16:21	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 16:21	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/20/23 06:09	09/20/23 16:21	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/20/23 06:09	09/20/23 16:21	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/20/23 06:09	09/20/23 16:21	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/20/23 06:09	09/20/23 16:21	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/20/23 06:09	09/20/23 16:21	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/20/23 06:09	09/20/23 16:21	121-14-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: Duplicate 1 **Lab ID: 20289019008** Collected: 09/11/23 15:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/20/23 06:09	09/20/23 16:21	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/20/23 06:09	09/20/23 16:21	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/20/23 06:09	09/20/23 16:21	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/20/23 06:09	09/20/23 16:21	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/20/23 06:09	09/20/23 16:21	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/20/23 06:09	09/20/23 16:21	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/20/23 06:09	09/20/23 16:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/20/23 06:09	09/20/23 16:21	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/20/23 06:09	09/20/23 16:21	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/20/23 06:09	09/20/23 16:21	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 16:21	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/20/23 06:09	09/20/23 16:21	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/20/23 06:09	09/20/23 16:21	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/20/23 06:09	09/20/23 16:21	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/20/23 06:09	09/20/23 16:21	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/20/23 06:09	09/20/23 16:21	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/20/23 06:09	09/20/23 16:21	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/20/23 06:09	09/20/23 16:21	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 16:21	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/20/23 06:09	09/20/23 16:21	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:21	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/20/23 06:09	09/20/23 16:21	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/20/23 06:09	09/20/23 16:21	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/20/23 06:09	09/20/23 16:21	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/20/23 06:09	09/20/23 16:21	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/20/23 06:09	09/20/23 16:21	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/20/23 06:09	09/20/23 16:21	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/20/23 06:09	09/20/23 16:21	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/20/23 06:09	09/20/23 16:21	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/20/23 06:09	09/20/23 16:21	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/20/23 06:09	09/20/23 16:21	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/20/23 06:09	09/20/23 16:21	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/20/23 06:09	09/20/23 16:21	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/20/23 06:09	09/20/23 16:21	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/20/23 06:09	09/20/23 16:21	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/20/23 06:09	09/20/23 16:21	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/20/23 06:09	09/20/23 16:21	88-85-7	
Surrogates										
2-Fluorophenol (S)	53.5	%	12.0-120			1	09/20/23 06:09	09/20/23 16:21	367-12-4	
Phenol-d5 (S)	49.8	%	10.0-120			1	09/20/23 06:09	09/20/23 16:21	4165-62-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: Duplicate 1 **Lab ID: 20289019008** Collected: 09/11/23 15:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
Nitrobenzene-d5 (S)	50.9	%	10.0-122			1	09/20/23 06:09	09/20/23 16:21	4165-60-0	
2-Fluorobiphenyl (S)	40.7	%	15.0-120			1	09/20/23 06:09	09/20/23 16:21	321-60-8	
2,4,6-Tribromophenol (S)	67.6	%	10.0-127			1	09/20/23 06:09	09/20/23 16:21	118-79-6	
Terphenyl-d14 (S)	51.2	%	10.0-120			1	09/20/23 06:09	09/20/23 16:21	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.013**	mg/kg	0.0089	0.0039	1.5	1	09/13/23 09:30	09/13/23 20:39	67-64-1	
Benzene	ND	mg/kg	0.0045	0.0012	.051	1	09/13/23 09:30	09/13/23 20:39	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0013	.92	1	09/13/23 09:30	09/13/23 20:39	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/13/23 09:30	09/13/23 20:39	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/13/23 09:30	09/13/23 20:39	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0089	0.0026	5	1	09/13/23 09:30	09/13/23 20:39	78-93-3	
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/13/23 09:30	09/13/23 20:39	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00096	.11	1	09/13/23 09:30	09/13/23 20:39	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/13/23 09:30	09/13/23 20:39	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/13/23 09:30	09/13/23 20:39	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/13/23 09:30	09/13/23 20:39	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/13/23 09:30	09/13/23 20:39	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/13/23 09:30	09/13/23 20:39	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/13/23 09:30	09/13/23 20:39	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0013	7.5	1	09/13/23 09:30	09/13/23 20:39	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0013	.035	1	09/13/23 09:30	09/13/23 20:39	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/13/23 09:30	09/13/23 20:39	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0012	.49	1	09/13/23 09:30	09/13/23 20:39	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0011	.77	1	09/13/23 09:30	09/13/23 20:39	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/13/23 09:30	09/13/23 20:39	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/13/23 09:30	09/13/23 20:39	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0014	.04	1	09/13/23 09:30	09/13/23 20:39	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0012	19	1	09/13/23 09:30	09/13/23 20:39	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.033	30	1	09/13/23 09:30	09/13/23 20:39	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0041	.017	1	09/13/23 09:30	09/13/23 20:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0089	0.0017	6.4	1	09/13/23 09:30	09/13/23 20:39	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/13/23 09:30	09/13/23 20:39	1634-04-4	
Styrene	ND	mg/kg	0.0045	0.0014	11	1	09/13/23 09:30	09/13/23 20:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/13/23 09:30	09/13/23 20:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/13/23 09:30	09/13/23 20:39	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/13/23 09:30	09/13/23 20:39	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/13/23 09:30	09/13/23 20:39	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: Duplicate 1 **Lab ID: 20289019008** Collected: 09/11/23 15:20 Received: 09/12/23 11:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0013	14	1	09/13/23 09:30	09/13/23 20:39	120-82-1	L1
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/13/23 09:30	09/13/23 20:39	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0013	.058	1	09/13/23 09:30	09/13/23 20:39	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/13/23 09:30	09/13/23 20:39	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/13/23 09:30	09/13/23 20:39	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00099	.013	1	09/13/23 09:30	09/13/23 20:39	75-01-4	
m&p-Xylene	ND	mg/kg	0.0089	0.0029	18	1	09/13/23 09:30	09/13/23 20:39	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/13/23 09:30	09/13/23 20:39	95-47-6	
Surrogates										
Toluene-d8 (S)	101	%.	75-125			1	09/13/23 09:30	09/13/23 20:39	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	64-139			1	09/13/23 09:30	09/13/23 20:39	460-00-4	
Dibromofluoromethane (S)	108	%.	66-143			1	09/13/23 09:30	09/13/23 20:39	1868-53-7	

Sample: FB-1 **Lab ID: 20289019009** Collected: 09/11/23 15:30 Received: 09/12/23 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/19/23 02:46	09/20/23 05:29		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/19/23 02:46	09/20/23 05:29		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	09/19/23 02:46	09/20/23 05:29	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/19/23 02:46	09/20/23 01:47		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/19/23 02:46	09/20/23 01:47		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/19/23 02:46	09/20/23 01:47		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/19/23 02:46	09/20/23 01:47		
Surrogates										
o-Terphenyl (S)	83.2	%	40.0-140			1	09/19/23 02:46	09/20/23 01:47	84-15-1	
1-Chloro-octadecane (S)	62.9	%	40.0-140			1	09/19/23 02:46	09/20/23 05:29		
2-Fluorobiphenyl (S)	89.6	%	40.0-140			1	09/19/23 02:46	09/20/23 01:47	321-60-8	
2-Bromonaphthalene (S)	88.9	%	40.0-140			1	09/19/23 02:46	09/20/23 01:47	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	ND	mg/L	0.0010	0.00010	.01	1	09/13/23 13:06	09/18/23 18:29	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/13/23 13:06	09/18/23 18:29	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/13/23 13:06	09/18/23 18:29	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/13/23 13:06	09/18/23 18:29	7440-47-3	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/13/23 13:06	09/18/23 18:29	7439-92-1	
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/13/23 13:06	09/18/23 18:29	7782-49-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Sample: FB-1 **Lab ID: 20289019009** Collected: 09/11/23 15:30 Received: 09/12/23 11:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/13/23 13:06	09/18/23 18:29	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/13/23 13:02	09/13/23 19:06	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.000050	0.000019		1	09/18/23 16:14	09/18/23 23:33	120-12-7	
Acenaphthene	ND	mg/L	0.000050	0.000019		1	09/18/23 16:14	09/18/23 23:33	83-32-9	
Acenaphthylene	ND	mg/L	0.000050	0.000017		1	09/18/23 16:14	09/18/23 23:33	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.000050	0.000020		1	09/18/23 16:14	09/18/23 23:33	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.000050	0.000018		1	09/18/23 16:14	09/18/23 23:33	50-32-8	
Benzo(b)fluoranthene	**0.0000197 J**	mg/L	0.000050	0.000017		1	09/18/23 16:14	09/18/23 23:33	205-99-2	B,J
Benzo(k)fluoranthene	ND	mg/L	0.00025	0.000020		1	09/18/23 16:14	09/18/23 23:33	207-08-9	
Chrysene	ND	mg/L	0.000050	0.000018		1	09/18/23 16:14	09/18/23 23:33	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.000050	0.000018		1	09/18/23 16:14	09/18/23 23:33	53-70-3	
Fluoranthene	**0.0000133 J**	mg/L	0.000050	0.000011		1	09/18/23 16:14	09/18/23 23:33	206-44-0	B,J
Fluorene	ND	mg/L	0.000050	0.000017		1	09/18/23 16:14	09/18/23 23:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0000230 J**	mg/L	0.000050	0.000018		1	09/18/23 16:14	09/18/23 23:33	193-39-5	B,J
Naphthalene	ND	mg/L	0.00050	0.000128		1	09/18/23 16:14	09/18/23 23:33	91-20-3	
Phenanthrene	ND	mg/L	0.000050	0.000018		1	09/18/23 16:14	09/18/23 23:33	85-01-8	
Pyrene	ND	mg/L	0.000050	0.000017		1	09/18/23 16:14	09/18/23 23:33	129-00-0	
2-Methylnaphthalene	**0.0000307 J**	mg/L	0.00050	0.000028		1	09/18/23 16:14	09/18/23 23:33	91-57-6	J
2-Chloronaphthalene	ND	mg/L	0.00050	0.000012		1	09/18/23 16:14	09/18/23 23:33	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	80.7	%	11.0-135			1	09/18/23 16:14	09/18/23 23:33	4165-60-0	
2-Fluorobiphenyl (S)	73.3	%	32.0-120			1	09/18/23 16:14	09/18/23 23:33	321-60-8	
Terphenyl-d14 (S)	75.4	%	23.0-122			1	09/18/23 16:14	09/18/23 23:33	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 2134808
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289019009

METHOD BLANK: R3975151-1 Matrix: Water
Associated Lab Samples: 20289019009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	09/19/23 19:24	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/19/23 19:24	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	09/19/23 19:24	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	09/19/23 19:24	
o-Terphenyl (S)	%	66.1	40.0-140		09/19/23 19:24	
2-Fluorobiphenyl (S)	%	84	40.0-140		09/19/23 19:24	
2-Bromonaphthalene (S)	%	85.4	40.0-140		09/19/23 19:24	

METHOD BLANK: R3975151-4 Matrix: Water
Associated Lab Samples: 20289019009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	09/19/23 20:48	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/19/23 20:48	
Aliphatic (>C16-C35)	mg/L	ND	0.150	0.0500	09/19/23 20:48	
1-Chloro-octadecane (S)	%	53.5	40.0-140		09/19/23 20:48	

LABORATORY CONTROL SAMPLE & LCSD: R3975151-2 R3975151-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0640	0.0600	64.0	60.0	40.0-140	6.50	50	
Aromatic (>C12-C16)	mg/L	0.300	0.190	0.180	63.0	60.0	40.0-140	5.40	50	
Aromatic (>C16-C21)	mg/L	0.500	0.380	0.370	76.0	74.0	40.0-140	2.70	50	
Aromatic (>C21-C35)	mg/L	0.800	0.580	0.570	73.0	71.0	40.0-140	1.70	50	
o-Terphenyl (S)	%				73.5	72.0	40.0-140			
2-Fluorobiphenyl (S)	%				82.6	80.2	40.0-140			
2-Bromonaphthalene (S)	%				83.4	81.1	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3975151-5 R3975151-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0540	0.0510	54.0	51.0	40.0-140	5.70	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.140	0.140	70.0	70.0	40.0-140	0.00	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.610	0.610	76.0	76.0	40.0-140	0.00	50	
1-Chloro-octadecane (S)	%				65.6	65.5	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 2135532
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019006, 20289019007, 20289019008

METHOD BLANK: R3975697-1 Matrix: Solid
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/20/23 12:43	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/20/23 12:43	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/20/23 12:43	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/20/23 12:43	
o-Terphenyl (S)	%	66.2	40.0-140		09/20/23 12:43	
2-Fluorobiphenyl (S)	%	82.5	40.0-140		09/20/23 12:43	
2-Bromonaphthalene (S)	%	83.8	40.0-140		09/20/23 12:43	

METHOD BLANK: R3975697-2 Matrix: Solid
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/20/23 16:13	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/20/23 16:13	
Aliphatic (>C16-C35)	mg/kg	2.94J	100	1.68	09/20/23 16:13	J
1-Chloro-octadecane (S)	%	66.2	40.0-140		09/20/23 16:13	

LABORATORY CONTROL SAMPLE & LCSD: R3975697-3 R3975697-4

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	4.76	4.08	71.6	61.4	40.0-140	15.4	50	
Aliphatic (>C12-C16)	mg/kg	13.3	9.93	8.56	74.7	64.4	40.0-140	14.8	50	
Aliphatic (>C16-C35)	mg/kg	53.2	41.4	35.1	77.8	66.0	40.0-140	16.5	50	
1-Chloro-octadecane (S)	%				74.1	64.1	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3975697-5 R3975697-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	4.36	4.74	65.6	71.3	40.0-140	8.35	50	
Aromatic (>C12-C16)	mg/kg	20.0	11.9	13.1	59.5	65.5	40.0-140	9.60	50	
Aromatic (>C16-C21)	mg/kg	33.3	22.5	25.1	67.6	75.4	40.0-140	10.9	50	
Aromatic (>C21-C35)	mg/kg	53.2	34.8	38.2	65.4	71.8	40.0-140	9.32	50	
o-Terphenyl (S)	%				67.5	74.1	40.0-140			
2-Fluorobiphenyl (S)	%				78.0	81.8	40.0-140			
2-Bromonaphthalene (S)	%				77.6	82.0	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3975697-7 R3975697-8

Parameter	Units	L1655206-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.35	6.35	3.66	3.73	57.6	58.7	40.0-140	1.89	50	
Aliphatic (>C12-C16)	mg/kg	ND	12.7	12.7	8.30	7.68	65.4	60.5	40.0-140	7.76	50	
Aliphatic (>C16-C35)	mg/kg	2.65	50.8	50.8	35.4	32.1	64.5	58.0	40.0-140	9.78	50	
1-Chloro-octadecane (S)	%						67.9	62.2	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976995-2 R3976995-1

Parameter	Units	L1655206-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.35	6.35	4.24	4.35	66.8	68.5	40.0-140	2.56	50	
Aromatic (>C12-C16)	mg/kg	ND	19.1	19.1	12.1	12.0	63.4	62.8	40.0-140	0.830	50	
Aromatic (>C16-C21)	mg/kg	ND	31.8	31.8	23.9	22.4	75.2	70.4	40.0-140	6.48	50	
Aromatic (>C21-C35)	mg/kg	ND	50.8	50.8	37.5	35.0	73.8	68.9	40.0-140	6.90	50	
o-Terphenyl (S)	%						73.6	70.7	40.0-140			
2-Fluorobiphenyl (S)	%						86.0	85.4	40.0-140			
2-Bromonaphthalene (S)	%						86.8	86.4	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 2137358
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289019005

METHOD BLANK: R3976996-1 Matrix: Solid
Associated Lab Samples: 20289019005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/23/23 08:34	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/23/23 08:34	
Aliphatic (>C16-C35)	mg/kg	2.44J	100	1.68	09/23/23 08:34	J
1-Chloro-octadecane (S)	%	59.2	40.0-140		09/23/23 08:34	

METHOD BLANK: R3976996-6 Matrix: Solid
Associated Lab Samples: 20289019005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
o-Terphenyl (S)	%	71.4	40.0-140		09/23/23 20:41	
2-Fluorobiphenyl (S)	%	86.3	40.0-140		09/23/23 20:41	
2-Bromonaphthalene (S)	%	86.8	40.0-140		09/23/23 20:41	

LABORATORY CONTROL SAMPLE & LCSD: R3976996-2 R3976996-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	4.92	5.07	74.0	76.2	40.0-140	3.00	50	
Aliphatic (>C12-C16)	mg/kg	13.3	9.86	10.5	74.1	78.9	40.0-140	6.29	50	
Aliphatic (>C16-C35)	mg/kg	53.2	41.0	43.6	77.1	82.0	40.0-140	6.15	50	
1-Chloro-octadecane (S)	%				69.7	74.2	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3976996-7 R3976996-8

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	4.83	4.87	72.6	73.2	40.0-140	0.825	50	
Aromatic (>C12-C16)	mg/kg	20.0	13.2	13.6	66.0	68.0	40.0-140	2.99	50	
Aromatic (>C16-C21)	mg/kg	33.3	24.9	25.9	74.8	77.8	40.0-140	3.94	50	
Aromatic (>C21-C35)	mg/kg	53.2	39.0	40.8	73.3	76.7	40.0-140	4.51	50	
o-Terphenyl (S)	%				73.5	76.1	40.0-140			
2-Fluorobiphenyl (S)	%				86.8	83.1	40.0-140			
2-Bromonaphthalene (S)	%				88.3	84.4	40.0-140			

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976996-4 R3976996-5

Parameter	Units	L1657152-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.55	6.50	4.70	4.60	71.8	70.8	40.0-140	2.15	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.1	13.0	9.77	8.98	74.6	69.1	40.0-140	8.43	50	
Aliphatic (>C16-C35)	mg/kg	2.24	52.4	52.0	40.7	36.8	73.4	66.5	40.0-140	10.1	50	
1-Chloro-octadecane (S)	%						69.1	61.7	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976996-9 R3976996-10

Parameter	Units	L1657152-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.55	6.50	4.68	4.37	71.5	67.2	40.0-140	6.85	50	
Aromatic (>C12-C16)	mg/kg	ND	19.7	19.5	13.3	11.8	67.5	60.5	40.0-140	12.0	50	
Aromatic (>C16-C21)	mg/kg	ND	32.8	32.5	26.1	22.4	79.6	68.9	40.0-140	15.3	50	
Aromatic (>C21-C35)	mg/kg	ND	52.4	52.0	40.5	34.6	77.3	66.5	40.0-140	15.7	50	
o-Terphenyl (S)	%						78.6	67.3	40.0-140			
2-Fluorobiphenyl (S)	%						88.4	86.0	40.0-140			
2-Bromonaphthalene (S)	%						89.9	87.5	40.0-140			

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 299407
QC Batch Method: EPA 5035
Analysis Method: MADEP VPH Mod
Analysis Description: 8015 Solid VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

METHOD BLANK: 1434047 Matrix: Solid
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/kg	ND	3500	1160	09/18/23 14:32	
Aliphatic (C06-C08)	ug/kg	ND	4250	932	09/18/23 14:32	
Aromatic (>C08-C10)	ug/kg	ND	3500	335	09/18/23 14:32	
4-Bromofluorobenzene (S)	%.	94	63-133		09/18/23 14:32	

LABORATORY CONTROL SAMPLE: 1434048

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/kg	14000	13500	96	72-127	
Aliphatic (C06-C08)	ug/kg	14000	13700	98	75-141	
Aromatic (>C08-C10)	ug/kg	14000	13700	98	76-136	
4-Bromofluorobenzene (S)	%.			93	63-133	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 298808
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289019009

METHOD BLANK: 1430927 Matrix: Water
Associated Lab Samples: 20289019009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000064	09/13/23 18:06	

LABORATORY CONTROL SAMPLE: 1430928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.0010	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1430929 1430930

Parameter	Units	20288682001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.001	0.001	0.0010	0.0010	104	103	75-125	1	20	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 298898
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

METHOD BLANK: 1431607 Matrix: Solid
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	0.013	09/14/23 13:26	

LABORATORY CONTROL SAMPLE: 1431608

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.1	0.098	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431609 1431610

Parameter	Units	20289019002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.015J	0.079	0.097	0.097	0.11	104	102	75-125	15	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 298894
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

METHOD BLANK: 1431545 Matrix: Solid
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/kg	ND	3.0	0.45	09/14/23 14:03	
Arsenic	mg/kg	ND	1.0	0.48	09/14/23 14:03	
Barium	mg/kg	ND	20.0	0.98	09/14/23 14:03	
Beryllium	mg/kg	ND	0.50	0.073	09/14/23 14:03	
Cadmium	mg/kg	ND	0.50	0.071	09/14/23 14:03	
Chromium	mg/kg	ND	1.0	0.45	09/14/23 14:03	
Cobalt	mg/kg	ND	1.0	0.21	09/14/23 14:03	
Copper	mg/kg	ND	1.0	0.24	09/14/23 14:03	
Lead	mg/kg	ND	0.50	0.32	09/14/23 14:03	
Nickel	mg/kg	ND	4.0	3.2	09/14/23 14:03	
Selenium	mg/kg	ND	2.0	0.59	09/14/23 14:03	
Silver	mg/kg	ND	1.0	0.26	09/14/23 14:03	
Thallium	mg/kg	ND	0.50	0.38	09/14/23 14:03	
Vanadium	mg/kg	ND	5.0	2.0	09/14/23 14:03	
Zinc	mg/kg	ND	5.0	2.6	09/14/23 14:03	

LABORATORY CONTROL SAMPLE: 1431546

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	100	93.8	94	85-115	
Arsenic	mg/kg	100	96.7	97	84-115	
Barium	mg/kg	100	101	101	85-115	
Beryllium	mg/kg	100	99.6	100	85-115	
Cadmium	mg/kg	100	100	100	85-115	
Chromium	mg/kg	100	105	105	85-115	
Cobalt	mg/kg	100	99.9	100	85-115	
Copper	mg/kg	100	99.5	100	85-115	
Lead	mg/kg	100	100	100	85-115	
Nickel	mg/kg	100	101	101	85-115	
Selenium	mg/kg	100	87.6	88	77-115	
Silver	mg/kg	50	50.3	101	85-115	
Thallium	mg/kg	50	48.7	97	79-115	
Vanadium	mg/kg	100	103	103	85-115	
Zinc	mg/kg	100	99.4	99	85-115	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431555 1431556

Parameter	Units	20289019001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	63.3	82	16.3	26.6	25	32	80-120	48	20	M1,R1
Arsenic	mg/kg	6.9	63.3	82	64.1	77.0	90	86	80-120	18	20	
Barium	mg/kg	130	63.3	82	209	222	125	113	80-120	6	20	M1
Beryllium	mg/kg	0.73	63.3	82	62.1	77.5	97	94	80-120	22	20	R1
Cadmium	mg/kg	ND	63.3	82	57.9	74.4	92	91	80-120	25	20	R1
Chromium	mg/kg	17.5	63.3	82	82.9	100	103	101	80-120	19	20	
Cobalt	mg/kg	9.1	63.3	82	67.6	81.8	92	89	80-120	19	20	
Copper	mg/kg	13.8	63.3	82	73.3	86.0	94	88	80-120	16	20	
Lead	mg/kg	12.8	63.3	82	70.6	85.8	91	89	80-120	20	20	
Nickel	mg/kg	17.8	63.3	82	77.6	91.1	94	90	80-120	16	20	
Selenium	mg/kg	0.48J	63.3	82	52.9	66.5	83	81	80-120	23	20	R1
Silver	mg/kg	ND	31.6	41	30.3	38.3	96	93	80-120	23	20	R1
Thallium	mg/kg	0.93	31.6	41	28.5	36.3	87	86	80-120	24	20	R1
Vanadium	mg/kg	36.2	63.3	82	107	118	112	99	80-120	9	20	
Zinc	mg/kg	54.3	63.3	82	116	132	97	94	80-120	13	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 298822
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20289019009

METHOD BLANK: 1430999 Matrix: Water
Associated Lab Samples: 20289019009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Arsenic	mg/L	ND	0.0010	0.00010	09/18/23 16:09	
Barium	mg/L	ND	0.0010	0.00064	09/18/23 16:09	
Cadmium	mg/L	ND	0.0010	0.00019	09/18/23 16:09	
Chromium	mg/L	ND	0.0010	0.00063	09/18/23 16:09	
Lead	mg/L	ND	0.0010	0.00069	09/18/23 16:09	
Selenium	mg/L	ND	0.0010	0.00026	09/18/23 16:09	
Silver	mg/L	ND	0.00050	0.00020	09/18/23 16:09	

LABORATORY CONTROL SAMPLE: 1431000

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/L	0.06	0.059	98	85-115	
Barium	mg/L	0.06	0.059	98	85-115	
Cadmium	mg/L	0.06	0.060	100	85-115	
Chromium	mg/L	0.06	0.059	98	85-115	
Lead	mg/L	0.06	0.060	100	85-115	
Selenium	mg/L	0.06	0.058	96	85-115	
Silver	mg/L	0.03	0.030	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1431001 1431002

Parameter	Units	20288607002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/L				0.068	0.069				1	20	
Barium	mg/L				1.1	1.1				3	20	M1
Cadmium	mg/L				0.061	0.064				4	20	
Chromium	mg/L				0.11	0.11				2	20	M1
Lead	mg/L				0.085	0.088				3	20	
Selenium	mg/L				0.059	0.056				4	20	
Silver	mg/L				0.030	0.031				4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 2133131
QC Batch Method: 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 20289019009

METHOD BLANK: R3975548-2 Matrix: Water

Associated Lab Samples: 20289019009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/L	ND	0.0000500	0.0000190	09/18/23 22:24	
Acenaphthene	mg/L	ND	0.0000500	0.0000190	09/18/23 22:24	
Acenaphthylene	mg/L	ND	0.0000500	0.0000170	09/18/23 22:24	
Benzo(a)anthracene	mg/L	ND	0.0000500	0.0000200	09/18/23 22:24	
Benzo(a)pyrene	mg/L	ND	0.0000500	0.0000180	09/18/23 22:24	
Benzo(b)fluoranthene	mg/L	0.0000270J	0.0000500	0.0000170	09/18/23 22:24	J
Benzo(k)fluoranthene	mg/L	ND	0.000250	0.0000200	09/18/23 22:24	
Chrysene	mg/L	0.0000221J	0.0000500	0.0000180	09/18/23 22:24	J
Dibenz(a,h)anthracene	mg/L	ND	0.0000500	0.0000180	09/18/23 22:24	
Fluoranthene	mg/L	0.0000229J	0.0000500	0.0000110	09/18/23 22:24	J
Fluorene	mg/L	ND	0.0000500	0.0000170	09/18/23 22:24	
Indeno(1,2,3-cd)pyrene	mg/L	0.0000201J	0.0000500	0.0000180	09/18/23 22:24	J
Naphthalene	mg/L	ND	0.000500	0.000128	09/18/23 22:24	
Phenanthrene	mg/L	ND	0.0000500	0.0000180	09/18/23 22:24	
Pyrene	mg/L	0.0000212J	0.0000500	0.0000170	09/18/23 22:24	J
2-Methylnaphthalene	mg/L	ND	0.000500	0.0000280	09/18/23 22:24	
2-Chloronaphthalene	mg/L	ND	0.000500	0.0000120	09/18/23 22:24	
Nitrobenzene-d5 (S)	%	54.5	11.0-135		09/18/23 22:24	
2-Fluorobiphenyl (S)	%	51.5	32.0-120		09/18/23 22:24	
Terphenyl-d14 (S)	%	67.5	23.0-122		09/18/23 22:24	

LABORATORY CONTROL SAMPLE: R3975548-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/L	0.00200	0.00102	51.0	43.0-127	
Acenaphthene	mg/L	0.00200	0.000981	49.0	42.0-120	
Acenaphthylene	mg/L	0.00200	0.000962	48.1	43.0-120	
Benzo(a)anthracene	mg/L	0.00200	0.00127	63.5	46.0-120	
Benzo(a)pyrene	mg/L	0.00200	0.00122	61.0	44.0-122	
Benzo(b)fluoranthene	mg/L	0.00200	0.00129	64.5	43.0-122	
Benzo(k)fluoranthene	mg/L	0.00200	0.00123	61.5	39.0-128	
Chrysene	mg/L	0.00200	0.00129	64.5	42.0-129	
Dibenz(a,h)anthracene	mg/L	0.00200	0.00136	68.0	25.0-139	
Fluoranthene	mg/L	0.00200	0.00123	61.5	48.0-131	
Fluorene	mg/L	0.00200	0.00108	54.0	42.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.00200	0.00144	72.0	37.0-133	
Naphthalene	mg/L	0.00200	0.000828	41.4	30.0-120	
Phenanthrene	mg/L	0.00200	0.00108	54.0	42.0-120	
Pyrene	mg/L	0.00200	0.00124	62.0	38.0-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

LABORATORY CONTROL SAMPLE: R3975548-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/L	0.00200	0.000916	45.8	40.0-120	
2-Chloronaphthalene	mg/L	0.00200	0.000888	44.4	39.0-120	
Nitrobenzene-d5 (S)	%			51.0	11.0-135	
2-Fluorobiphenyl (S)	%			47.7	32.0-120	
Terphenyl-d14 (S)	%			63.0	23.0-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3975548-3 R3975548-4

Parameter	Units	L1655842-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/L	ND	0.00202	0.00204	0.00117	0.000941	57.9	46.1	28.0-120	21.7	25	
Acenaphthene	mg/L	ND	0.00202	0.00204	0.00119	0.000971	58.9	47.6	16.0-120	20.3	25	
Acenaphthylene	mg/L	ND	0.00202	0.00204	0.00121	0.000991	59.9	48.6	16.0-121	19.9	26	
Benzo(a)anthracene	mg/L	ND	0.00202	0.00204	0.00129	0.00105	63.9	51.5	19.0-125	20.5	26	
Benzo(a)pyrene	mg/L	ND	0.00202	0.00204	0.00130	0.00110	64.4	53.9	10.0-126	16.7	32	
Benzo(b)fluoranthene	mg/L	ND	0.00202	0.00204	0.00120	0.00105	59.4	51.5	10.0-125	13.3	36	
Benzo(k)fluoranthene	mg/L	ND	0.00202	0.00204	0.00121	0.000981	59.9	48.1	10.0-124	20.9	32	
Chrysene	mg/L	ND	0.00202	0.00204	0.00123	0.00101	60.9	49.5	18.0-127	19.6	26	
Dibenz(a,h)anthracene	mg/L	ND	0.00202	0.00204	0.00120	0.00101	59.4	49.5	10.0-132	17.2	43	
Fluoranthene	mg/L	ND	0.00202	0.00204	0.00124	0.00100	61.4	49.0	37.0-122	21.4	23	
Fluorene	mg/L	ND	0.00202	0.00204	0.00124	0.00101	61.4	49.5	20.0-120	20.4	26	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.00202	0.00204	0.00129	0.00112	63.9	54.9	10.0-130	14.1	38	
Naphthalene	mg/L	ND	0.00202	0.00204	0.00116	0.000937	57.4	45.9	14.0-120	21.3	20	R1
Phenanthrene	mg/L	ND	0.00202	0.00204	0.00117	0.000937	57.9	45.9	26.0-120	22.1	24	
Pyrene	mg/L	ND	0.00202	0.00204	0.00124	0.000993	61.4	48.7	29.0-120	22.1	24	
2-Methylnaphthalene	mg/L	0.0000338	0.00202	0.00204	0.00119	0.000961	57.2	45.5	10.0-143	21.3	24	
2-Chloronaphthalene	mg/L	ND	0.00202	0.00204	0.00113	0.000925	55.9	45.3	16.0-120	20.0	25	
Nitrobenzene-d5 (S)	%						69.3	54.9	11.0-135			
2-Fluorobiphenyl (S)	%						57.9	46.4	32.0-120			
Terphenyl-d14 (S)	%						59.4	47.7	23.0-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 2135498
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

METHOD BLANK: R3975505-3 Matrix: Solid
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	09/20/23 13:57	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	09/20/23 13:57	
Aniline	mg/kg	ND	0.333	0.0311	09/20/23 13:57	
Anthracene	mg/kg	ND	0.0333	0.00593	09/20/23 13:57	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	09/20/23 13:57	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	09/20/23 13:57	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	09/20/23 13:57	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	09/20/23 13:57	
Biphenyl (Diphenyl)	mg/kg	ND	0.333	0.0106	09/20/23 13:57	
bis(2-Chloroethyl) ether	mg/kg	ND	0.333	0.0110	09/20/23 13:57	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.333	0.0144	09/20/23 13:57	
2-Chloronaphthalene	mg/kg	ND	0.0333	0.00585	09/20/23 13:57	
Chrysene	mg/kg	ND	0.0333	0.00662	09/20/23 13:57	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	09/20/23 13:57	
Dibenzofuran	mg/kg	ND	0.333	0.0109	09/20/23 13:57	
4-Chloroaniline	mg/kg	ND	0.333	0.0120	09/20/23 13:57	
1,2-Dichlorobenzene	mg/kg	ND	0.333	0.00987	09/20/23 13:57	
1,3-Dichlorobenzene	mg/kg	ND	0.333	0.0101	09/20/23 13:57	
1,4-Dichlorobenzene	mg/kg	ND	0.333	0.00991	09/20/23 13:57	
3,3'-Dichlorobenzidine	mg/kg	ND	0.333	0.0123	09/20/23 13:57	
2,4-Dinitrotoluene	mg/kg	ND	0.333	0.00955	09/20/23 13:57	
2,6-Dinitrotoluene	mg/kg	ND	0.333	0.0109	09/20/23 13:57	
Fluoranthene	mg/kg	ND	0.0333	0.00601	09/20/23 13:57	
Fluorene	mg/kg	ND	0.0333	0.00542	09/20/23 13:57	
Hexachlorobenzene	mg/kg	ND	0.333	0.0118	09/20/23 13:57	
Hexachloro-1,3-butadiene	mg/kg	ND	0.333	0.0112	09/20/23 13:57	
Hexachlorocyclopentadiene	mg/kg	ND	0.333	0.0175	09/20/23 13:57	
Hexachloroethane	mg/kg	ND	0.333	0.0131	09/20/23 13:57	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	09/20/23 13:57	
Isophorone	mg/kg	ND	0.333	0.0102	09/20/23 13:57	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	09/20/23 13:57	
2-Nitroaniline	mg/kg	ND	0.333	0.0107	09/20/23 13:57	
3-Nitroaniline	mg/kg	ND	0.333	0.0106	09/20/23 13:57	
4-Nitroaniline	mg/kg	ND	0.333	0.00971	09/20/23 13:57	
Naphthalene	mg/kg	ND	0.0333	0.00836	09/20/23 13:57	
Nitrobenzene	mg/kg	ND	0.333	0.0116	09/20/23 13:57	
N-Nitrosodiphenylamine	mg/kg	ND	0.333	0.0252	09/20/23 13:57	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.333	0.0111	09/20/23 13:57	
Phenanthrene	mg/kg	ND	0.0333	0.00661	09/20/23 13:57	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

METHOD BLANK: R3975505-3 Matrix: Solid

Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.333	0.0104	09/20/23 13:57	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	09/20/23 13:57	
Diethylphthalate	mg/kg	ND	0.333	0.0110	09/20/23 13:57	
Dimethylphthalate	mg/kg	ND	0.333	0.0706	09/20/23 13:57	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	09/20/23 13:57	
Pyrene	mg/kg	ND	0.0333	0.00648	09/20/23 13:57	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.333	0.0159	09/20/23 13:57	
2-Chlorophenol	mg/kg	ND	0.333	0.0110	09/20/23 13:57	
2,4-Dichlorophenol	mg/kg	ND	0.333	0.00970	09/20/23 13:57	
2,4-Dimethylphenol	mg/kg	ND	0.333	0.00870	09/20/23 13:57	
2,4-Dinitrophenol	mg/kg	ND	0.333	0.0779	09/20/23 13:57	
4-Nitrophenol	mg/kg	ND	0.333	0.0104	09/20/23 13:57	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	09/20/23 13:57	
Phenol	mg/kg	ND	0.333	0.0134	09/20/23 13:57	
2,4,5-Trichlorophenol	mg/kg	ND	0.333	0.0113	09/20/23 13:57	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.333	0.0126	09/20/23 13:57	
2,4,6-Trichlorophenol	mg/kg	ND	0.333	0.0107	09/20/23 13:57	
1,3-Dinitrobenzene	mg/kg	ND	0.333	0.0617	09/20/23 13:57	
Dinoseb	mg/kg	ND	0.333	0.0970	09/20/23 13:57	
2-Fluorophenol (S)	%	58	12.0-120		09/20/23 13:57	
Phenol-d5 (S)	%	54.5	10.0-120		09/20/23 13:57	
Nitrobenzene-d5 (S)	%	54.4	10.0-122		09/20/23 13:57	
2-Fluorobiphenyl (S)	%	48	15.0-120		09/20/23 13:57	
2,4,6-Tribromophenol (S)	%	70.9	10.0-127		09/20/23 13:57	
Terphenyl-d14 (S)	%	61	10.0-120		09/20/23 13:57	

LABORATORY CONTROL SAMPLE: R3975505-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.358	53.8	38.0-120	
Acenaphthylene	mg/kg	0.666	0.330	49.5	40.0-120	
Aniline	mg/kg	0.666	0.327	49.1	15.0-120	
Anthracene	mg/kg	0.666	0.390	58.6	42.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.462	69.4	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.400	60.1	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.392	58.9	44.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.424	63.7	45.0-120	
Biphenyl (Diphenyl)	mg/kg	0.666	0.340	51.1	39.0-120	
bis(2-Chloroethyl) ether	mg/kg	0.666	0.424	63.7	16.0-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	0.666	0.381	57.2	23.0-120	
2-Chloronaphthalene	mg/kg	0.666	0.336	50.5	35.0-120	
Chrysene	mg/kg	0.666	0.447	67.1	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.394	59.2	44.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

LABORATORY CONTROL SAMPLE: R3975505-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenzofuran	mg/kg	0.666	0.356	53.5	44.0-120	
4-Chloroaniline	mg/kg	0.666	0.274	41.1	18.0-120	
1,2-Dichlorobenzene	mg/kg	0.666	0.369	55.4	32.0-120	
1,3-Dichlorobenzene	mg/kg	0.666	0.372	55.9	30.0-120	
1,4-Dichlorobenzene	mg/kg	0.666	0.358	53.8	31.0-120	
3,3'-Dichlorobenzidine	mg/kg	1.33	0.984	74.0	28.0-120	
2,4-Dinitrotoluene	mg/kg	0.666	0.468	70.3	45.0-120	
2,6-Dinitrotoluene	mg/kg	0.666	0.401	60.2	42.0-120	
Fluoranthene	mg/kg	0.666	0.454	68.2	44.0-120	
Fluorene	mg/kg	0.666	0.361	54.2	41.0-120	
Hexachlorobenzene	mg/kg	0.666	0.451	67.7	39.0-120	
Hexachloro-1,3-butadiene	mg/kg	0.666	0.367	55.1	15.0-120	
Hexachlorocyclopentadiene	mg/kg	0.666	0.246	36.9	15.0-120	
Hexachloroethane	mg/kg	0.666	0.385	57.8	17.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.380	57.1	45.0-120	
Isophorone	mg/kg	0.666	0.323	48.5	23.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.311	46.7	34.0-120	
2-Nitroaniline	mg/kg	0.666	0.415	62.3	46.0-120	
3-Nitroaniline	mg/kg	0.666	0.363	54.5	36.0-120	
4-Nitroaniline	mg/kg	0.666	0.410	61.6	36.0-120	
Naphthalene	mg/kg	0.666	0.292	43.8	18.0-120	
Nitrobenzene	mg/kg	0.666	0.339	50.9	17.0-120	
N-Nitrosodiphenylamine	mg/kg	0.666	0.402	60.4	40.0-120	
N-Nitroso-di-n-propylamine	mg/kg	0.666	0.393	59.0	26.0-120	
Phenanthrene	mg/kg	0.666	0.387	58.1	42.0-120	
Butylbenzylphthalate	mg/kg	0.666	0.424	63.7	40.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.434	65.2	41.0-120	
Diethylphthalate	mg/kg	0.666	0.373	56.0	43.0-120	
Dimethylphthalate	mg/kg	0.666	0.383	57.5	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.441	66.2	40.0-120	
Pyrene	mg/kg	0.666	0.412	61.9	41.0-120	
1,2,4,5-Tetrachlorobenzene	mg/kg	0.666	0.534	80.2	30.0-120	
2-Chlorophenol	mg/kg	0.666	0.392	58.9	28.0-120	
2,4-Dichlorophenol	mg/kg	0.666	0.358	53.8	25.0-120	
2,4-Dimethylphenol	mg/kg	0.666	0.387	58.1	15.0-120	
2,4-Dinitrophenol	mg/kg	0.666	0.376	56.5	10.0-120	
4-Nitrophenol	mg/kg	0.666	0.386	58.0	27.0-120	
Pentachlorophenol	mg/kg	0.666	0.492	73.9	29.0-120	
Phenol	mg/kg	0.666	0.407	61.1	28.0-120	
2,4,5-Trichlorophenol	mg/kg	0.666	0.359	53.9	38.0-120	
2,3,4,6-Tetrachlorophenol	mg/kg	0.666	0.479	71.9	39.0-120	
2,4,6-Trichlorophenol	mg/kg	0.666	0.364	54.7	37.0-120	
2-Fluorophenol (S)	%			64.3	12.0-120	
Phenol-d5 (S)	%			61.0	10.0-120	
Nitrobenzene-d5 (S)	%			51.4	10.0-122	
2-Fluorobiphenyl (S)	%			49.8	15.0-120	
2,4,6-Tribromophenol (S)	%			80.3	10.0-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

LABORATORY CONTROL SAMPLE: R3975505-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			66.4	10.0-120	

LABORATORY CONTROL SAMPLE: R3975505-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	0.666	0.604	90.7	29.0-120	
Dinoseb	mg/kg	0.666	0.688	103	26.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3975505-4 R3975505-5

Parameter	Units	L1655524-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	0.126	0.662	0.662	0.260	0.292	20.2	25.1	18.0-120	11.6	32	
Acenaphthylene	mg/kg	0.0546	0.662	0.662	0.196	0.220	21.4	25.0	25.0-120	11.5	32	ML
Aniline	mg/kg	ND	0.662	0.662	0.0623	0.112	9.41	16.9	10.0-120	57.0	40	ML,R1
Anthracene	mg/kg	0.105	0.662	0.662	0.251	0.275	22.1	25.7	22.0-120	9.13	29	
Benzo(a)anthracene	mg/kg	0.247	0.662	0.662	0.303	0.355	8.46	16.3	25.0-120	15.8	29	ML
Benzo(b)fluoranthene	mg/kg	0.458	0.662	0.662	0.357	0.398	0.00	0.00	19.0-122	10.9	31	ML
Benzo(k)fluoranthene	mg/kg	0.135	0.662	0.662	0.226	0.256	13.7	18.3	23.0-120	12.4	30	ML
Benzo(a)pyrene	mg/kg	0.270	0.662	0.662	0.268	0.316	0.00	6.95	24.0-120	16.4	30	ML
Biphenyl (Diphenyl)	mg/kg	0.0306	0.662	0.662	0.201	0.222	25.7	28.9	15.0-120	9.93	33	
bis(2-Chloroethyl) ether	mg/kg	ND	0.662	0.662	0.215	0.208	32.5	31.4	10.0-120	3.31	40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.662	0.662	0.236	0.243	35.6	36.7	10.0-120	2.92	40	
2-Chloronaphthalene	mg/kg	ND	0.662	0.662	0.183	0.206	27.6	31.1	20.0-120	11.8	32	
Chrysene	mg/kg	0.297	0.662	0.662	0.357	0.406	9.06	16.5	21.0-120	12.8	29	ML
Dibenz(a,h)anthracene	mg/kg	0.0576	0.662	0.662	0.139	0.182	12.3	18.8	10.0-120	26.8	32	
Dibenzofuran	mg/kg	0.0917	0.662	0.662	0.241	0.266	22.6	26.3	24.0-120	9.86	30	ML
4-Chloroaniline	mg/kg	ND	0.662	0.662	0.0780	0.127	11.8	19.2	10.0-120	47.8	36	R1
1,2-Dichlorobenzene	mg/kg	ND	0.662	0.662	0.211	0.219	31.9	33.1	10.0-120	3.72	38	
1,3-Dichlorobenzene	mg/kg	ND	0.662	0.662	0.205	0.222	31.0	33.5	10.0-120	7.96	40	
1,4-Dichlorobenzene	mg/kg	ND	0.662	0.662	0.209	0.219	31.6	33.1	10.0-120	4.67	39	
3,3'-Dichlorobenzidine	mg/kg	ND	1.32	1.32	0.0569	0.164	4.31	12.4	10.0-120	97.0	34	ML,R1
2,4-Dinitrotoluene	mg/kg	ND	0.662	0.662	0.246	0.283	37.2	42.7	30.0-120	14.0	31	
2,6-Dinitrotoluene	mg/kg	ND	0.662	0.662	0.247	0.234	37.3	35.3	25.0-120	5.41	31	
Fluoranthene	mg/kg	0.663	0.662	0.662	0.567	0.602	0.00	0.00	18.0-126	5.99	32	ML
Fluorene	mg/kg	0.0886	0.662	0.662	0.245	0.275	23.6	28.2	25.0-120	11.5	30	ML
Hexachlorobenzene	mg/kg	ND	0.662	0.662	0.262	0.277	39.6	41.8	27.0-120	5.57	28	
Hexachloro-1,3-butadiene	mg/kg	ND	0.662	0.662	0.251	0.276	37.9	41.7	10.0-120	9.49	38	
Hexachlorocyclopentadiene	mg/kg	ND	0.662	0.662	0.0457	0.0479	6.90	7.24	10.0-120	4.70	40	ML
Hexachloroethane	mg/kg	ND	0.662	0.662	0.214	0.227	32.3	34.3	10.0-120	5.90	40	
Indeno(1,2,3-cd)pyrene	mg/kg	0.197	0.662	0.662	0.194	0.232	0.00	5.29	10.0-120	17.8	32	ML
Isophorone	mg/kg	ND	0.662	0.662	0.199	0.218	30.1	32.9	13.0-120	9.11	34	
2-Methylnaphthalene	mg/kg	0.206	0.662	0.662	0.300	0.336	14.2	19.6	10.0-120	11.3	37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3975505-4 R3975505-5

Parameter	Units	L1655524-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Nitroaniline	mg/kg	ND	0.662	0.662	0.196	0.239	29.6	36.1	24.0-120	19.8	30	
3-Nitroaniline	mg/kg	ND	0.662	0.662	0.104	0.167	15.7	25.2	11.0-120	46.5	32	R1
4-Nitroaniline	mg/kg	ND	0.662	0.662	0.101	0.167	15.3	25.2	15.0-120	49.3	31	R1
Naphthalene	mg/kg	0.101	0.662	0.662	0.239	0.268	20.8	25.2	10.0-120	11.4	35	
Nitrobenzene	mg/kg	ND	0.662	0.662	0.211	0.226	31.9	34.1	10.0-120	6.86	36	
N-Nitrosodiphenylamine	mg/kg	ND	0.662	0.662	0.221	0.243	33.4	36.7	17.0-120	9.48	29	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.662	0.662	0.210	0.227	31.7	34.3	10.0-120	7.78	37	
Phenanthrene	mg/kg	0.479	0.662	0.662	0.466	0.503	0.00	3.63	17.0-120	7.64	31	ML
Butylbenzylphthalate	mg/kg	ND	0.662	0.662	0.230	0.251	34.7	37.9	23.0-120	8.73	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.662	0.662	0.247	0.270	37.3	40.8	17.0-126	8.90	30	
Diethylphthalate	mg/kg	ND	0.662	0.662	0.207	0.230	31.3	34.7	26.0-120	10.5	28	
Dimethylphthalate	mg/kg	ND	0.662	0.662	0.229	0.235	34.6	35.5	25.0-120	2.59	29	
Di-n-octylphthalate	mg/kg	ND	0.662	0.662	0.241	0.260	36.4	39.3	21.0-123	7.58	29	
Pyrene	mg/kg	0.529	0.662	0.662	0.444	0.489	0.00	0.00	16.0-121	9.65	32	ML
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.662	0.662	0.282	0.329	42.6	49.7	14.0-120	15.4	36	
2-Chlorophenol	mg/kg	ND	0.662	0.662	0.203	0.221	30.7	33.4	15.0-120	8.49	37	
2,4-Dichlorophenol	mg/kg	ND	0.662	0.662	0.216	0.248	32.6	37.5	20.0-120	13.8	31	
2,4-Dimethylphenol	mg/kg	ND	0.662	0.662	0.198	0.243	29.9	36.7	10.0-120	20.4	33	
2,4-Dinitrophenol	mg/kg	ND	0.662	0.662	ND	ND	0.00	0.00	10.0-121	0.00	40	ML
4-Nitrophenol	mg/kg	ND	0.662	0.662	0.166	0.206	25.1	31.1	10.0-137	21.5	32	
Pentachlorophenol	mg/kg	ND	0.662	0.662	0.290	0.312	43.8	47.1	10.0-160	7.31	31	
Phenol	mg/kg	ND	0.662	0.662	0.210	0.230	31.7	34.7	12.0-120	9.09	38	
2,4,5-Trichlorophenol	mg/kg	ND	0.662	0.662	0.211	0.227	31.9	34.3	20.0-120	7.31	30	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.662	0.662	0.280	0.301	42.3	45.5	20.0-120	7.23	31	
2,4,6-Trichlorophenol	mg/kg	ND	0.662	0.662	0.217	0.228	32.8	34.4	19.0-120	4.94	32	
2-Fluorophenol (S)	%						35.9	41.6	12.0-120			
Phenol-d5 (S)	%						33.4	37.4	10.0-120			
Nitrobenzene-d5 (S)	%						34.7	36.6	10.0-122			
2-Fluorobiphenyl (S)	%						31.7	32.0	15.0-120			
2,4,6-Tribromophenol (S)	%						52.2	52.5	10.0-127			
Terphenyl-d14 (S)	%						36.0	41.1	10.0-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

QC Batch: 298833
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035 Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

METHOD BLANK: 1431127
Matrix: Solid
Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0012	09/13/23 17:29	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	09/13/23 17:29	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0018	09/13/23 17:29	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
2-Butanone (MEK)	mg/kg	ND	0.010	0.0029	09/13/23 17:29	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.010	0.0019	09/13/23 17:29	
Acetone	mg/kg	ND	0.010	0.0044	09/13/23 17:29	
Benzene	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
Bromodichloromethane	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
Bromoform	mg/kg	ND	0.0050	0.0016	09/13/23 17:29	
Bromomethane	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
Carbon disulfide	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0011	09/13/23 17:29	
Chlorobenzene	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
Chloroethane	mg/kg	ND	0.0050	0.0012	09/13/23 17:29	
Chloroform	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
Chloromethane	mg/kg	ND	0.0050	0.0012	09/13/23 17:29	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0015	09/13/23 17:29	
Dibromochloromethane	mg/kg	ND	0.0050	0.0016	09/13/23 17:29	
Ethylbenzene	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
Isobutanol	mg/kg	ND	0.25	0.036	09/13/23 17:29	
m&p-Xylene	mg/kg	ND	0.010	0.0032	09/13/23 17:29	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
Methylene Chloride	mg/kg	ND	0.0050	0.0046	09/13/23 17:29	
o-Xylene	mg/kg	ND	0.0050	0.0016	09/13/23 17:29	
Styrene	mg/kg	ND	0.0050	0.0016	09/13/23 17:29	
Tetrachloroethene	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
Toluene	mg/kg	ND	0.0050	0.0021	09/13/23 17:29	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0013	09/13/23 17:29	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0016	09/13/23 17:29	
Trichloroethene	mg/kg	ND	0.0050	0.0014	09/13/23 17:29	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0012	09/13/23 17:29	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

METHOD BLANK: 1431127 Matrix: Solid

Associated Lab Samples: 20289019001, 20289019002, 20289019003, 20289019004, 20289019005, 20289019006, 20289019007, 20289019008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Vinyl chloride	mg/kg	ND	0.0020	0.0011	09/13/23 17:29	
4-Bromofluorobenzene (S)	%.	100	64-139		09/13/23 17:29	
Dibromofluoromethane (S)	%.	103	66-143		09/13/23 17:29	
Toluene-d8 (S)	%.	99	75-125		09/13/23 17:29	

LABORATORY CONTROL SAMPLE: 1431128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.05	0.051	102	72-121	
1,1,1-Trichloroethane	mg/kg	0.05	0.050	99	76-126	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.040	81	65-129	
1,1,2-Trichloroethane	mg/kg	0.05	0.044	88	75-121	
1,1-Dichloroethane	mg/kg	0.05	0.046	91	71-127	
1,1-Dichloroethene	mg/kg	0.05	0.047	94	63-130	
1,2,4-Trichlorobenzene	mg/kg	0.05	0.070	140	67-123	L1
1,2-Dibromo-3-chloropropane	mg/kg	0.05	0.044	88	59-131	
1,2-Dichloroethane	mg/kg	0.05	0.046	92	65-131	
1,2-Dichloropropane	mg/kg	0.05	0.045	90	72-125	
2-Butanone (MEK)	mg/kg	0.05	0.032	65	34-170	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.05	0.041	82	58-141	
Acetone	mg/kg	0.05	0.033	67	16-192	
Benzene	mg/kg	0.05	0.046	92	74-132	
Bromodichloromethane	mg/kg	0.05	0.047	93	73-117	
Bromoform	mg/kg	0.05	0.050	101	58-132	
Bromomethane	mg/kg	0.05	0.056	111	47-157	
Carbon disulfide	mg/kg	0.05	0.049	99	52-145	
Carbon tetrachloride	mg/kg	0.05	0.057	115	68-129	
Chlorobenzene	mg/kg	0.05	0.051	102	79-121	
Chloroethane	mg/kg	0.05	0.055	110	34-160	
Chloroform	mg/kg	0.05	0.048	95	70-120	
Chloromethane	mg/kg	0.05	0.055	109	44-142	
cis-1,2-Dichloroethene	mg/kg	0.05	0.048	95	71-124	
cis-1,3-Dichloropropene	mg/kg	0.05	0.046	92	77-121	
Dibromochloromethane	mg/kg	0.05	0.049	97	67-122	
Ethylbenzene	mg/kg	0.05	0.049	97	79-116	
m&p-Xylene	mg/kg	0.1	0.097	97	78-119	
Methyl-tert-butyl ether	mg/kg	0.05	0.044	88	58-135	
Methylene Chloride	mg/kg	0.05	0.045	90	49-145	
o-Xylene	mg/kg	0.05	0.049	97	77-121	
Styrene	mg/kg	0.05	0.048	96	81-123	
Tetrachloroethene	mg/kg	0.05	0.054	107	62-138	
Toluene	mg/kg	0.05	0.046	92	79-120	
trans-1,2-Dichloroethene	mg/kg	0.05	0.048	97	68-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

LABORATORY CONTROL SAMPLE: 1431128

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	mg/kg	0.05	0.044	88	77-121	
Trichloroethene	mg/kg	0.05	0.050	100	77-117	
Trichlorofluoromethane	mg/kg	0.05	0.050	101	45-164	
Vinyl chloride	mg/kg	0.05	0.053	106	48-130	
4-Bromofluorobenzene (S)	%.			100	64-139	
Dibromofluoromethane (S)	%.			101	66-143	
Toluene-d8 (S)	%.			98	75-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20289019

[1]

SAMPLE QUALIFIERS

Sample: L1655842-04

[1]	Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM - Duplicate Analysis performed due to QC failure. Results confirm; reporting in hold data

BATCH QUALIFIERS

Batch: 299444

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

Pace Analytical Services, LLC
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QUALIFIERS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

ANALYTE QUALIFIERS

ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289019009	**FB-1**	MA DEP/NJ DEP	2134808	EPH	2134808
20289019001	**B-5(2-4)**	MA DEP/NJ DEP	2135532	EPH	2135532
20289019002	**B-5(5-7)**	MA DEP/NJ DEP	2135532	EPH	2135532
20289019003	**B-5(7-9)**	MA DEP/NJ DEP	2135532	EPH	2135532
20289019004	**B-5(14-16)**	MA DEP/NJ DEP	2135532	EPH	2135532
20289019005	**B-6(2-4)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289019006	**B-6(9-11)**	MA DEP/NJ DEP	2135532	EPH	2135532
20289019007	**B-6(14-16)**	MA DEP/NJ DEP	2135532	EPH	2135532
20289019008	**Duplicate 1**	MA DEP/NJ DEP	2135532	EPH	2135532
20289019001	**B-5(2-4)**	EPA 5035	299407	MADEP VPH Mod	299444
20289019002	**B-5(5-7)**	EPA 5035	299407	MADEP VPH Mod	299444
20289019003	**B-5(7-9)**	EPA 5035	299407	MADEP VPH Mod	299444
20289019004	**B-5(14-16)**	EPA 5035	299407	MADEP VPH Mod	299444
20289019005	**B-6(2-4)**	EPA 5035	299407	MADEP VPH Mod	299444
20289019006	**B-6(9-11)**	EPA 5035	299407	MADEP VPH Mod	299444
20289019007	**B-6(14-16)**	EPA 5035	299407	MADEP VPH Mod	299444
20289019008	**Duplicate 1**	EPA 5035	299407	MADEP VPH Mod	299444
20289019001	**B-5(2-4)**	EPA 3050	298894	EPA 6010	299079
20289019002	**B-5(5-7)**	EPA 3050	298894	EPA 6010	299079
20289019003	**B-5(7-9)**	EPA 3050	298894	EPA 6010	299079
20289019004	**B-5(14-16)**	EPA 3050	298894	EPA 6010	299079
20289019005	**B-6(2-4)**	EPA 3050	298894	EPA 6010	299079
20289019006	**B-6(9-11)**	EPA 3050	298894	EPA 6010	299079
20289019007	**B-6(14-16)**	EPA 3050	298894	EPA 6010	299079
20289019008	**Duplicate 1**	EPA 3050	298894	EPA 6010	299079
20289019009	**FB-1**	EPA 3010	298822	EPA 6020A	298875
20289019009	**FB-1**	EPA 7470	298808	EPA 7470	298883
20289019001	**B-5(2-4)**	EPA 7471	298898	EPA 7471	299034
20289019002	**B-5(5-7)**	EPA 7471	298898	EPA 7471	299034
20289019003	**B-5(7-9)**	EPA 7471	298898	EPA 7471	299034
20289019004	**B-5(14-16)**	EPA 7471	298898	EPA 7471	299034
20289019005	**B-6(2-4)**	EPA 7471	298898	EPA 7471	299034
20289019006	**B-6(9-11)**	EPA 7471	298898	EPA 7471	299034
20289019007	**B-6(14-16)**	EPA 7471	298898	EPA 7471	299034
20289019008	**Duplicate 1**	EPA 7471	298898	EPA 7471	299034
20289019009	**FB-1**	3510C	2133131	EPA 8270E by SIM	2133131
20289019001	**B-5(2-4)**	3546	2135498	EPA 8270E	2135498
20289019002	**B-5(5-7)**	3546	2135498	EPA 8270E	2135498
20289019003	**B-5(7-9)**	3546	2135498	EPA 8270E	2135498
20289019004	**B-5(14-16)**	3546	2135498	EPA 8270E	2135498
20289019005	**B-6(2-4)**	3546	2135498	EPA 8270E	2135498
20289019006	**B-6(9-11)**	3546	2135498	EPA 8270E	2135498
20289019007	**B-6(14-16)**	3546	2135498	EPA 8270E	2135498
20289019008	**Duplicate 1**	3546	2135498	EPA 8270E	2135498

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289019

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289019001	**B-5(2-4)**	EPA 5035/5030B	298833	EPA 8260	298838
20289019002	**B-5(5-7)**	EPA 5035/5030B	298833	EPA 8260	298838
20289019003	**B-5(7-9)**	EPA 5035/5030B	298833	EPA 8260	298838
20289019004	**B-5(14-16)**	EPA 5035/5030B	298833	EPA 8260	298838
20289019005	**B-6(2-4)**	EPA 5035/5030B	298833	EPA 8260	298838
20289019006	**B-6(9-11)**	EPA 5035/5030B	298833	EPA 8260	298838
20289019007	**B-6(14-16)**	EPA 5035/5030B	298833	EPA 8260	298838
20289019008	**Duplicate 1**	EPA 5035/5030B	298833	EPA 8260	298838

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 20289019

20289019

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:	ET237079	Invoice To:	
Project Name:	JM3-JM5 Parcels Soils	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ]AK [ ]PT [ ]MT [ ]CT [ ]ET		County / State origin of sample(s):	Louisiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [X] Other 7 day

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Analysis:

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Lab Use Only
Proj. Mgr: Clay Ledet
AcctNum / Client ID:
Table #:
Profile / Template: 8793/1
Prelog / Bottle Ord. ID: 1141077

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	EPH / PAH	EPH / RECAP SVOC	RCRA 8 Metals	RECAP Metals	RECAP VOC	RECAP VOC / VPH	Sample Comment
B-5(2-4)	SS	G	9/11/23	13:20				4	2		X		X	X	X	
B-5(5-7)				13:30							X		X		X	
B-5(7-9)				13:54							X		X		X	
B-5(14-16)				13:35							X		X		X	
B-6(2-4)				15:33							X	X		X		
B-6(9-11)				15:14							X	X		X		
B-6(14-16)				15:19							X	X		X		
Duplicate 1				15:20							X	X		X		
FB-1	OT	G	↓	15:30						X		X				

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Cody Vanderlick
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C):	Corrected Temp. (°C):
1	12	0	2.5	

Relinquished by/Company: (Signature)	Date/Time: 16:15	Received by/Company: (Signature) Pace	Date/Time: 9.12.23 1025	Tracking Number:
Relinquished by/Company: (Signature) Pace	Date/Time: 9.12.23 1135	Received by/Company: (Signature) Pace	Date/Time: 9/12/23 11:35	Delivered by: [ ] In-Person [X] Courier
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	[ ] FedEx [ ] UPS [ ] Other
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Page: 1 of 1

Pace

Sample Condition Upon Receipt

WO#: 20289019

PM: CAL Due Date: 09/21/23

CLIENT: 20-TERRACONN

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date: JMB / 9/13/2023

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No	☐ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 10 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C:	2.5	(Actual/True)
Cooler #2	Cooler Temp °C:		(Actual/True)
Cooler #3	Cooler Temp °C:		(Actual/True)
Cooler #4	Cooler Temp °C:		(Actual/True)

Samples on ice ☑ Yes ☐ No

pH Strip Lot #

Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None

Tracking #:

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☐ Yes	☑ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☐ Yes	☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☑ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☑ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____ HNO3_____ H2SO4 _____ NaOH_____ Date: _____ Time:_____
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	

Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 13, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20289275001	**B-7 (4-6)**	Solid	09/12/23 10:38	09/13/23 12:20
20289275002	**B-7 (14-16)**	Solid	09/12/23 10:24	09/13/23 12:20
20289275003	**B-3 (0-4)**	Solid	09/12/23 12:55	09/13/23 12:20
20289275004	**B-3 (7-9)**	Solid	09/12/23 12:41	09/13/23 12:20
20289275005	**B-3 (14-16)**	Solid	09/12/23 12:39	09/13/23 12:20
20289275006	**Field Blank - 2**	Water	09/12/23 13:05	09/13/23 12:20
20289275007	**EB-1**	Water	09/12/23 13:18	09/13/23 12:20
20289275008	**B-4 (0-2)**	Solid	09/12/23 14:45	09/13/23 12:20
20289275009	**B-4 (6-8)**	Solid	09/12/23 14:53	09/13/23 12:20
20289275010	**B-4 (2-4)**	Solid	09/12/23 15:07	09/13/23 12:20
20289275011	**B-8 (0-2)**	Solid	09/12/23 15:53	09/13/23 12:20
20289275012	**B-8 (6-8)**	Solid	09/12/23 16:02	09/13/23 12:20
20289275013	**B-8 (4-6)**	Solid	09/12/23 16:12	09/13/23 12:20
20289275014	**B-8 (14-16)**	Solid	09/12/23 15:52	09/13/23 12:20
20289275015	**B-7 (7-9)**	Solid	09/12/23 10:21	09/13/23 12:20
20289275016	**B-4 (14-16)**	Solid	09/12/23 14:49	09/13/23 12:20

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20289275001	**B-7 (4-6)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AGW	20	PAN
		EPA 8260	JRP	43	PASI-N
20289275002	**B-7 (14-16)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AGW	20	PAN
		EPA 8260	JRP	43	PASI-N
20289275003	**B-3 (0-4)**	EPH	HLJ	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AGW	20	PAN
20289275004	**B-3 (7-9)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AGW	20	PAN
20289275005	**B-3 (14-16)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AGW	20	PAN
20289275006	**Field Blank - 2**	EPH	HLJ	11	PAN
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	ARW	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289275007	**EB-1**	EPH	HLJ	11	PAN
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	ARW	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289275008	**B-4 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289275009	**B-4 (6-8)**	EPH	HLJ	11	PAN

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289275010	**B-4 (2-4)**	EPH	HLJ	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289275011	**B-8 (0-2)**	EPH	HLJ	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289275012	**B-8 (6-8)**	EPH	HLJ	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289275013	**B-8 (4-6)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289275014	**B-8 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289275015	**B-7 (7-9)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AGW	20	PAN
		EPA 8260	JRP	43	PASI-N
20289275016	**B-4 (14-16)**	EPH	JDG	11	PAN
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

Pace Analytical Services, LLC
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(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Date: December 05, 2023

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
16 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2135760

B: Analyte was detected in the associated method blank.
- R3975701-1 (Lab ID: R3975701-1)
  - Aliphatic (>C16-C35)

QC Batch: 2136882

B: Analyte was detected in the associated method blank.
- R3976778-4 (Lab ID: R3976778-4)
  - Aliphatic (>C12-C16)
  - Aliphatic (>C16-C35)

QC Batch: 2137358

B: Analyte was detected in the associated method blank.
- R3976996-1 (Lab ID: R3976996-1)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
7 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299051

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
14 samples were analyzed for EPA 6010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299171

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289275001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1432800)
  - Antimony
  - Barium
- MSD (Lab ID: 1432801)
  - Antimony
  - Barium

R1: RPD value was outside control limits.

- MSD (Lab ID: 1432801)
  - Antimony

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
2 samples were analyzed for EPA 6020A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
2 samples were analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 7471**
Description: 7471 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
14 samples were analyzed for EPA 7471 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2133790

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1654940-01

R1: RPD value was outside control limits.

- MSD (Lab ID: R3974993-4)
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Benzo(k)fluoranthene
  - Dibenz(a,h)anthracene
  - Indeno(1,2,3-cd)pyrene

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2136429

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289275008

R1: RPD value was outside control limits.

- MSD (Lab ID: R3977873-6)
  - 3-Nitroaniline

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
11 samples were analyzed for EPA 8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 300017

B: Analyte was detected in the associated method blank.
- BLANK for HBN 300017 [MSV/2082 (Lab ID: 1436641)
  - Acetone

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 300017

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20288859021,20289275001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 1436639)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

QC Batch: 300017

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20288859021,20289275001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- 1,1,2-Trichloroethane
- 1,1-Dichloroethane
- 1,1-Dichloroethene
- 1,2,4-Trichlorobenzene
- 1,2-Dichloroethane
- 1,2-Dichloropropane
- Benzene
- Bromodichloromethane
- Bromoform
- Carbon disulfide
- Carbon tetrachloride
- Chlorobenzene
- Chloroform
- Dibromochloromethane
- Ethylbenzene
- Methyl-tert-butyl ether
- Methylene Chloride
- cis-1,2-Dichloroethene
- cis-1,3-Dichloropropene
- trans-1,2-Dichloroethene
- trans-1,3-Dichloropropene

- MS (Lab ID: 1436642)
  - 1,1,2,2-Tetrachloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - Bromoform
  - Chlorobenzene
  - Dibromochloromethane
  - Methylene Chloride
- MSD (Lab ID: 1436640)
  - 1,2,4-Trichlorobenzene
  - Chlorobenzene
- MSD (Lab ID: 1436643)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1-Dichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dichloropropane
  - Bromodichloromethane
  - Bromoform
  - Chlorobenzene
  - Chloroform

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

QC Batch: 300017

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20288859021,20289275001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Dibromochloromethane
- Methylene Chloride
- trans-1,2-Dichloroethene

R1: RPD value was outside control limits.

- MSD (Lab ID: 1436640)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,1,2-Trichloroethane
  - 1,1-Dichloroethane
  - 1,1-Dichloroethene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dichloroethane
  - 1,2-Dichloropropane
  - 4-Methyl-2-pentanone (MIBK)
  - Acetone
  - Benzene
  - Bromodichloromethane
  - Bromoform
  - Bromomethane
  - Carbon disulfide
  - Carbon tetrachloride
  - Chlorobenzene
  - Chloroethane
  - Chloroform
  - Chloromethane
  - Dibromochloromethane
  - Ethylbenzene
  - Methyl-tert-butyl ether
  - Methylene Chloride
  - Styrene
  - Tetrachloroethene
  - Toluene
  - Trichloroethene
  - Trichlorofluoromethane
  - Vinyl chloride
  - cis-1,2-Dichloroethene
  - cis-1,3-Dichloropropene
  - m&p-Xylene
  - o-Xylene
  - trans-1,2-Dichloroethene
  - trans-1,3-Dichloropropene

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PROJECT NARRATIVE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (4-6) **Lab ID: 20289275001** Collected: 09/12/23 10:38 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 10:12		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 10:12		
Aliphatic (>C16-C35)	**3.15J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 10:12	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:45		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:45		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:45		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:45		
Surrogates										
o-Terphenyl (S)	85.0	%	40.0-140			1	09/21/23 08:05	09/22/23 05:45	84-15-1	
1-Chloro-octadecane (S)	92.9	%	40.0-140			1	09/21/23 08:05	09/22/23 10:12		
2-Fluorobiphenyl (S)	95.5	%	40.0-140			1	09/21/23 08:05	09/22/23 05:45	321-60-8	
2-Bromonaphthalene (S)	95.7	%	40.0-140			1	09/21/23 08:05	09/22/23 05:45	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.3**	mg/kg	1.0	0.48	12	1	09/15/23 11:40	09/18/23 12:40	7440-38-2	
Barium	**139**	mg/kg	20.0	0.98	550	1	09/15/23 11:40	09/18/23 12:40	7440-39-3	M1
Cadmium	ND	mg/kg	0.50	0.071	3.9	1	09/15/23 11:40	09/18/23 12:40	7440-43-9	
Chromium	**15.1**	mg/kg	1.0	0.45	100	1	09/15/23 11:40	09/18/23 12:40	7440-47-3	
Lead	**8.9**	mg/kg	0.50	0.32	100	1	09/15/23 11:40	09/18/23 12:40	7439-92-1	
Selenium	ND	mg/kg	2.0	0.59	20	1	09/15/23 11:40	09/18/23 12:40	7782-49-2	
Silver	ND	mg/kg	1.0	0.26	39	1	09/15/23 11:40	09/18/23 12:40	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.025**	mg/kg	0.017	0.011		1	09/15/23 11:44	09/15/23 22:24	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 13:08	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 13:08	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 13:08	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 13:08	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 13:08	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 13:08	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 13:08	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 13:08	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 13:08	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 13:08	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 13:08	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 13:08	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (4-6) **Lab ID: 20289275001** Collected: 09/12/23 10:38 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 13:08	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 13:08	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 13:08	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 13:08	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 13:08	91-58-7	
Surrogates										
Terphenyl-d14 (S)	89.2	%	23.0-120			1	09/22/23 06:58	09/22/23 13:08	1718-51-0	
Nitrobenzene-d5 (S)	92.0	%	14.0-149			1	09/22/23 06:58	09/22/23 13:08	4165-60-0	
2-Fluorobiphenyl (S)	83.9	%	34.0-125			1	09/22/23 06:58	09/22/23 13:08	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0099	0.0044	1.5	1	09/14/23 10:15	09/21/23 10:27	67-64-1	
Benzene	ND	mg/kg	0.0050	0.0014	.051	1	09/14/23 10:15	09/21/23 10:27	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0050	0.0015	.92	1	09/14/23 10:15	09/21/23 10:27	75-27-4	M1
Bromoform	ND	mg/kg	0.0050	0.0016	1.8	1	09/14/23 10:15	09/21/23 10:27	75-25-2	M1
Bromomethane	ND	mg/kg	0.0050	0.0014	.04	1	09/14/23 10:15	09/21/23 10:27	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0099	0.0029	5	1	09/14/23 10:15	09/21/23 10:27	78-93-3	
Carbon disulfide	ND	mg/kg	0.0050	0.0015	11	1	09/14/23 10:15	09/21/23 10:27	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	.11	1	09/14/23 10:15	09/21/23 10:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	0.0015	3	1	09/14/23 10:15	09/21/23 10:27	108-90-7	M1
Chloroethane	ND	mg/kg	0.0050	0.0012	.035	1	09/14/23 10:15	09/21/23 10:27	75-00-3	
Chloroform	ND	mg/kg	0.0050	0.0014	.044	1	09/14/23 10:15	09/21/23 10:27	67-66-3	M1
Chloromethane	ND	mg/kg	0.0050	0.0012	.1	1	09/14/23 10:15	09/21/23 10:27	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0018	.01	1	09/14/23 10:15	09/21/23 10:27	96-12-8	M1
Dibromochloromethane	ND	mg/kg	0.0050	0.0016	1	1	09/14/23 10:15	09/21/23 10:27	124-48-1	M1
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0015	7.5	1	09/14/23 10:15	09/21/23 10:27	75-34-3	M1
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0015	.035	1	09/14/23 10:15	09/21/23 10:27	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0014	.085	1	09/14/23 10:15	09/21/23 10:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	.49	1	09/14/23 10:15	09/21/23 10:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	.77	1	09/14/23 10:15	09/21/23 10:27	156-60-5	M1
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0015	.042	1	09/14/23 10:15	09/21/23 10:27	78-87-5	M1
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0015	.04	1	09/14/23 10:15	09/21/23 10:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0016	.04	1	09/14/23 10:15	09/21/23 10:27	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	0.0014	19	1	09/14/23 10:15	09/21/23 10:27	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.036	30	1	09/14/23 10:15	09/21/23 10:27	78-83-1	
Methylene Chloride	ND	mg/kg	0.0050	0.0046	.017	1	09/14/23 10:15	09/21/23 10:27	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0099	0.0019	6.4	1	09/14/23 10:15	09/21/23 10:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	0.0014	.077	1	09/14/23 10:15	09/21/23 10:27	1634-04-4	
Styrene	ND	mg/kg	0.0050	0.0016	11	1	09/14/23 10:15	09/21/23 10:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0015	.046	1	09/14/23 10:15	09/21/23 10:27	630-20-6	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (4-6) **Lab ID: 20289275001** Collected: 09/12/23 10:38 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0019	.006	1	09/14/23 10:15	09/21/23 10:27	79-34-5	M1
Tetrachloroethene	ND	mg/kg	0.0050	0.0014	.18	1	09/14/23 10:15	09/21/23 10:27	127-18-4	
Toluene	ND	mg/kg	0.0050	0.0021	20	1	09/14/23 10:15	09/21/23 10:27	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	14	1	09/14/23 10:15	09/21/23 10:27	120-82-1	M1
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0012	4	1	09/14/23 10:15	09/21/23 10:27	71-55-6	M1
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0015	.058	1	09/14/23 10:15	09/21/23 10:27	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	0.0014	.073	1	09/14/23 10:15	09/21/23 10:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0012	37	1	09/14/23 10:15	09/21/23 10:27	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/14/23 10:15	09/21/23 10:27	75-01-4	
m&p-Xylene	ND	mg/kg	0.0099	0.0032	18	1	09/14/23 10:15	09/21/23 10:27	179601-23-1	
o-Xylene	ND	mg/kg	0.0050	0.0016	18	1	09/14/23 10:15	09/21/23 10:27	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 10:27	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/14/23 10:15	09/21/23 10:27	460-00-4	
Dibromofluoromethane (S)	95	%.	66-143			1	09/14/23 10:15	09/21/23 10:27	1868-53-7	

Sample: B-7 (14-16) **Lab ID: 20289275002** Collected: 09/12/23 10:24 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 11:19		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 11:19		
Aliphatic (>C16-C35)	**2.96J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 11:19	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 06:52		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 06:52		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 06:52		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 06:52		
Surrogates										
o-Terphenyl (S)	79.8	%	40.0-140			1	09/21/23 08:05	09/22/23 06:52	84-15-1	
1-Chloro-octadecane (S)	82.3	%	40.0-140			1	09/21/23 08:05	09/22/23 11:19		
2-Fluorobiphenyl (S)	99.4	%	40.0-140			1	09/21/23 08:05	09/22/23 06:52	321-60-8	
2-Bromonaphthalene (S)	99.4	%	40.0-140			1	09/21/23 08:05	09/22/23 06:52	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.3**	mg/kg	0.93	0.44	12	1	09/15/23 11:40	09/18/23 13:47	7440-38-2	
Barium	**104**	mg/kg	18.5	0.91	550	1	09/15/23 11:40	09/18/23 13:47	7440-39-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (14-16) **Lab ID: 20289275002** Collected: 09/12/23 10:24 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Cadmium	ND	mg/kg	0.46	0.066	3.9	1	09/15/23 11:40	09/18/23 13:47	7440-43-9	
Chromium	**12.5**	mg/kg	0.93	0.42	100	1	09/15/23 11:40	09/18/23 13:47	7440-47-3	
Lead	**8.1**	mg/kg	0.46	0.30	100	1	09/15/23 11:40	09/18/23 13:47	7439-92-1	
Selenium	ND	mg/kg	1.9	0.54	20	1	09/15/23 11:40	09/18/23 13:47	7782-49-2	
Silver	ND	mg/kg	0.93	0.24	39	1	09/15/23 11:40	09/18/23 13:47	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.016**	mg/kg	0.014	0.0089		1	09/15/23 11:44	09/15/23 22:32	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 14:00	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 14:00	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 14:00	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 14:00	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 14:00	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 14:00	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 14:00	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 14:00	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 14:00	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 14:00	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 14:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 14:00	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 14:00	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 14:00	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 14:00	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 14:00	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 14:00	91-58-7	
Surrogates										
Terphenyl-d14 (S)	80.5	%	23.0-120			1	09/22/23 06:58	09/22/23 14:00	1718-51-0	
Nitrobenzene-d5 (S)	83.0	%	14.0-149			1	09/22/23 06:58	09/22/23 14:00	4165-60-0	
2-Fluorobiphenyl (S)	74.3	%	34.0-125			1	09/22/23 06:58	09/22/23 14:00	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.013**	mg/kg	0.0089	0.0039	1.5	1	09/14/23 10:15	09/21/23 11:05	67-64-1	B
Benzene	ND	mg/kg	0.0045	0.0012	.051	1	09/14/23 10:15	09/21/23 11:05	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0013	.92	1	09/14/23 10:15	09/21/23 11:05	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/14/23 10:15	09/21/23 11:05	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 11:05	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0089	0.0026	5	1	09/14/23 10:15	09/21/23 11:05	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (14-16) **Lab ID: 20289275002** Collected: 09/12/23 10:24 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/14/23 10:15	09/21/23 11:05	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00096	.11	1	09/14/23 10:15	09/21/23 11:05	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/14/23 10:15	09/21/23 11:05	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/14/23 10:15	09/21/23 11:05	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/14/23 10:15	09/21/23 11:05	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/14/23 10:15	09/21/23 11:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/14/23 10:15	09/21/23 11:05	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/14/23 10:15	09/21/23 11:05	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0013	7.5	1	09/14/23 10:15	09/21/23 11:05	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0013	.035	1	09/14/23 10:15	09/21/23 11:05	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/14/23 10:15	09/21/23 11:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0012	.49	1	09/14/23 10:15	09/21/23 11:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0011	.77	1	09/14/23 10:15	09/21/23 11:05	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/14/23 10:15	09/21/23 11:05	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 11:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0014	.04	1	09/14/23 10:15	09/21/23 11:05	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0012	19	1	09/14/23 10:15	09/21/23 11:05	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.033	30	1	09/14/23 10:15	09/21/23 11:05	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0041	.017	1	09/14/23 10:15	09/21/23 11:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0089	0.0017	6.4	1	09/14/23 10:15	09/21/23 11:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/14/23 10:15	09/21/23 11:05	1634-04-4	
Styrene	ND	mg/kg	0.0045	0.0014	11	1	09/14/23 10:15	09/21/23 11:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/14/23 10:15	09/21/23 11:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/14/23 10:15	09/21/23 11:05	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/14/23 10:15	09/21/23 11:05	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/14/23 10:15	09/21/23 11:05	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0013	14	1	09/14/23 10:15	09/21/23 11:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/14/23 10:15	09/21/23 11:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0013	.058	1	09/14/23 10:15	09/21/23 11:05	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/14/23 10:15	09/21/23 11:05	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/14/23 10:15	09/21/23 11:05	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00099	.013	1	09/14/23 10:15	09/21/23 11:05	75-01-4	
m&p-Xylene	ND	mg/kg	0.0089	0.0029	18	1	09/14/23 10:15	09/21/23 11:05	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/14/23 10:15	09/21/23 11:05	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/14/23 10:15	09/21/23 11:05	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	64-139			1	09/14/23 10:15	09/21/23 11:05	460-00-4	
Dibromofluoromethane (S)	93	%.	66-143			1	09/14/23 10:15	09/21/23 11:05	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-3 (0-4) **Lab ID: 20289275003** Collected: 09/12/23 12:55 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 20:31		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 20:31		
Aliphatic (>C16-C35)	**3.87J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 20:31	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:25		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:25		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:25		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:25		
Surrogates										
o-Terphenyl (S)	59.1	%	40.0-140			1	09/21/23 08:05	09/22/23 16:25	84-15-1	
1-Chloro-octadecane (S)	68.2	%	40.0-140			1	09/21/23 08:05	09/22/23 20:31		
2-Fluorobiphenyl (S)	93.4	%	40.0-140			1	09/21/23 08:05	09/22/23 16:25	321-60-8	
2-Bromonaphthalene (S)	93.0	%	40.0-140			1	09/21/23 08:05	09/22/23 16:25	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.2**	mg/kg	0.89	0.43	12	1	09/15/23 11:40	09/18/23 13:51	7440-38-2	
Barium	**161**	mg/kg	17.9	0.88	550	1	09/15/23 11:40	09/18/23 13:51	7440-39-3	
Cadmium	ND	mg/kg	0.45	0.063	3.9	1	09/15/23 11:40	09/18/23 13:51	7440-43-9	
Chromium	**19.1**	mg/kg	0.89	0.40	100	1	09/15/23 11:40	09/18/23 13:51	7440-47-3	
Lead	**14.2**	mg/kg	0.45	0.29	100	1	09/15/23 11:40	09/18/23 13:51	7439-92-1	
Selenium	ND	mg/kg	1.8	0.52	20	1	09/15/23 11:40	09/18/23 13:51	7782-49-2	
Silver	ND	mg/kg	0.89	0.23	39	1	09/15/23 11:40	09/18/23 13:51	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.028**	mg/kg	0.013	0.0083		1	09/15/23 11:44	09/15/23 22:39	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 14:17	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 14:17	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 14:17	208-96-8	
Benzo(a)anthracene	**0.00181J**	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 14:17	56-55-3	J
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 14:17	50-32-8	
Benzo(b)fluoranthene	**0.00195J**	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 14:17	205-99-2	J
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 14:17	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 14:17	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 14:17	53-70-3	
Fluoranthene	**0.00258J**	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 14:17	206-44-0	J
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 14:17	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 14:17	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-3 (0-4) **Lab ID: 20289275003** Collected: 09/12/23 12:55 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 14:17	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 14:17	85-01-8	
Pyrene	**0.00229J**	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 14:17	129-00-0	J
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 14:17	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 14:17	91-58-7	
Surrogates										
Terphenyl-d14 (S)	79.5	%	23.0-120			1	09/22/23 06:58	09/22/23 14:17	1718-51-0	
Nitrobenzene-d5 (S)	84.6	%	14.0-149			1	09/22/23 06:58	09/22/23 14:17	4165-60-0	
2-Fluorobiphenyl (S)	76.1	%	34.0-125			1	09/22/23 06:58	09/22/23 14:17	321-60-8	

Sample: B-3 (7-9) **Lab ID: 20289275004** Collected: 09/12/23 12:41 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 11:41		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 11:41		
Aliphatic (>C16-C35)	**2.83J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 11:41	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:14		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:14		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:14		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:14		
Surrogates										
o-Terphenyl (S)	85.4	%	40.0-140			1	09/21/23 08:05	09/22/23 07:14	84-15-1	
1-Chloro-octadecane (S)	86.0	%	40.0-140			1	09/21/23 08:05	09/22/23 11:41		
2-Fluorobiphenyl (S)	97.0	%	40.0-140			1	09/21/23 08:05	09/22/23 07:14	321-60-8	
2-Bromonaphthalene (S)	95.5	%	40.0-140			1	09/21/23 08:05	09/22/23 07:14	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.1**	mg/kg	0.70	0.34	12	1	09/15/23 11:40	09/18/23 13:55	7440-38-2	
Barium	**105**	mg/kg	14.1	0.69	550	1	09/15/23 11:40	09/18/23 13:55	7440-39-3	
Cadmium	ND	mg/kg	0.35	0.050	3.9	1	09/15/23 11:40	09/18/23 13:55	7440-43-9	
Chromium	**11.4**	mg/kg	0.70	0.32	100	1	09/15/23 11:40	09/18/23 13:55	7440-47-3	
Lead	**6.8**	mg/kg	0.35	0.23	100	1	09/15/23 11:40	09/18/23 13:55	7439-92-1	
Selenium	ND	mg/kg	1.4	0.41	20	1	09/15/23 11:40	09/18/23 13:55	7782-49-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-3 (7-9) **Lab ID: 20289275004** Collected: 09/12/23 12:41 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050								
		Pace Analytical Services - New Orleans								
Silver	ND	mg/kg	0.70	0.18	39	1	09/15/23 11:40	09/18/23 13:55	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471								
		Pace Analytical Services - New Orleans								
Mercury	**0.019**	mg/kg	0.013	0.0087		1	09/15/23 11:44	09/15/23 22:41	7439-97-6	
SVOA (GC/MS) 8270E-SIM		Analytical Method: EPA 8270E by SIM Preparation Method: 3546								
		Pace National - Mt. Juliet								
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 14:34	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 14:34	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 14:34	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 14:34	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 14:34	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 14:34	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 14:34	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 14:34	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 14:34	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 14:34	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 14:34	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 14:34	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 14:34	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 14:34	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 14:34	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 14:34	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 14:34	91-58-7	
Surrogates										
Terphenyl-d14 (S)	77.9	%	23.0-120			1	09/22/23 06:58	09/22/23 14:34	1718-51-0	
Nitrobenzene-d5 (S)	82.3	%	14.0-149			1	09/22/23 06:58	09/22/23 14:34	4165-60-0	
2-Fluorobiphenyl (S)	74.0	%	34.0-125			1	09/22/23 06:58	09/22/23 14:34	321-60-8	

Sample: B-3 (14-16) **Lab ID: 20289275005** Collected: 09/12/23 12:39 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH		Analytical Method: EPH Preparation Method: MA DEP/NJ DEP								
		Pace National - Mt. Juliet								
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 12:03		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 12:03		
Aliphatic (>C16-C35)	**2.75J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 12:03	TPHC16C35	B,J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-3 (14-16) **Lab ID: 20289275005** Collected: 09/12/23 12:39 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:36		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:36		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:36		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 07:36		
Surrogates										
o-Terphenyl (S)	78.8	%	40.0-140			1	09/21/23 08:05	09/22/23 07:36	84-15-1	
1-Chloro-octadecane (S)	92.2	%	40.0-140			1	09/21/23 08:05	09/22/23 12:03		
2-Fluorobiphenyl (S)	95.1	%	40.0-140			1	09/21/23 08:05	09/22/23 07:36	321-60-8	
2-Bromonaphthalene (S)	93.9	%	40.0-140			1	09/21/23 08:05	09/22/23 07:36	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.9**	mg/kg	0.93	0.44	12	1	09/15/23 11:40	09/18/23 13:58	7440-38-2	
Barium	**110**	mg/kg	18.5	0.91	550	1	09/15/23 11:40	09/18/23 13:58	7440-39-3	
Cadmium	ND	mg/kg	0.46	0.066	3.9	1	09/15/23 11:40	09/18/23 13:58	7440-43-9	
Chromium	**12.0**	mg/kg	0.93	0.42	100	1	09/15/23 11:40	09/18/23 13:58	7440-47-3	
Lead	**7.4**	mg/kg	0.46	0.30	100	1	09/15/23 11:40	09/18/23 13:58	7439-92-1	
Selenium	ND	mg/kg	1.9	0.54	20	1	09/15/23 11:40	09/18/23 13:58	7782-49-2	
Silver	ND	mg/kg	0.93	0.24	39	1	09/15/23 11:40	09/18/23 13:58	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.016**	mg/kg	0.015	0.010		1	09/15/23 11:44	09/15/23 22:44	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 14:51	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 14:51	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 14:51	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 14:51	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 14:51	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 14:51	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 14:51	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 14:51	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 14:51	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 14:51	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 14:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 14:51	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 14:51	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 14:51	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 14:51	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-3 (14-16) **Lab ID: 20289275005** Collected: 09/12/23 12:39 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 14:51	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 14:51	91-58-7	
Surrogates										
Terphenyl-d14 (S)	58.0	%	23.0-120			1	09/22/23 06:58	09/22/23 14:51	1718-51-0	
Nitrobenzene-d5 (S)	75.6	%	14.0-149			1	09/22/23 06:58	09/22/23 14:51	4165-60-0	
2-Fluorobiphenyl (S)	60.6	%	34.0-125			1	09/22/23 06:58	09/22/23 14:51	321-60-8	

Sample: Field Blank - 2 **Lab ID: 20289275006** Collected: 09/12/23 13:05 Received: 09/13/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 09:50		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 09:50		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 09:50	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/20/23 03:35	09/21/23 10:57		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:57		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:57		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:57		
Surrogates										
o-Terphenyl (S)	93.9	%	40.0-140			1	09/20/23 03:35	09/21/23 10:57	84-15-1	
1-Chloro-octadecane (S)	92.6	%	40.0-140			1	09/20/23 03:35	09/21/23 09:50		
2-Fluorobiphenyl (S)	97.9	%	40.0-140			1	09/20/23 03:35	09/21/23 10:57	321-60-8	
2-Bromonaphthalene (S)	97.8	%	40.0-140			1	09/20/23 03:35	09/21/23 10:57	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0010	0.00034	.006	1	09/18/23 07:13	09/19/23 19:38	7440-36-0	
Arsenic	ND	mg/L	0.0010	0.00010	.01	1	09/18/23 07:13	09/19/23 19:38	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/18/23 07:13	09/19/23 19:38	7440-39-3	
Beryllium	ND	mg/L	0.0010	0.00021	.004	1	09/18/23 07:13	09/19/23 19:38	7440-41-7	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/18/23 07:13	09/19/23 19:38	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/18/23 07:13	09/19/23 19:38	7440-47-3	
Cobalt	ND	mg/L	0.0010	0.00012	.22	1	09/18/23 07:13	09/19/23 19:38	7440-48-4	
Copper	ND	mg/L	0.0030	0.0017	1.3	1	09/18/23 07:13	09/19/23 19:38	7440-50-8	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/18/23 07:13	09/19/23 19:38	7439-92-1	
Nickel	ND	mg/L	0.0010	0.00062	.073	1	09/18/23 07:13	09/19/23 19:38	7440-02-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: Field Blank - 2 **Lab ID: 20289275006** Collected: 09/12/23 13:05 Received: 09/13/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/18/23 07:13	09/19/23 19:38	7782-49-2	
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/18/23 07:13	09/19/23 19:38	7440-22-4	
Thallium	ND	mg/L	0.00050	0.00011	.002	1	09/18/23 07:13	09/19/23 19:38	7440-28-0	
Vanadium	ND	mg/L	0.0050	0.00023	.026	1	09/18/23 07:13	09/19/23 19:38	7440-62-2	
Zinc	ND	mg/L	0.010	0.0072	1.1	1	09/18/23 07:13	09/19/23 19:38	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000018		1	09/15/23 17:22	09/15/23 22:41	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/17/23 08:08	09/17/23 13:58	120-12-7	
Acenaphthene	**0.0000558**	mg/L	0.0000500	0.0000190		1	09/17/23 08:08	09/17/23 13:58	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 13:58	208-96-8	
Benzo(a)anthracene	**0.0000510**	mg/L	0.0000500	0.0000200		1	09/17/23 08:08	09/17/23 13:58	56-55-3	
Benzo(a)pyrene	**0.0000641**	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 13:58	50-32-8	
Benzo(b)fluoranthene	**0.0000990**	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 13:58	205-99-2	
Benzo(k)fluoranthene	**0.000200J**	mg/L	0.0002500	0.0000200		1	09/17/23 08:08	09/17/23 13:58	207-08-9	J
Chrysene	**0.000103**	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 13:58	218-01-9	
Dibenz(a,h)anthracene	**0.000339**	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 13:58	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/17/23 08:08	09/17/23 13:58	206-44-0	
Fluorene	**0.0000284 J**	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 13:58	86-73-7	J
Indeno(1,2,3-cd)pyrene	**0.000308**	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 13:58	193-39-5	
Naphthalene	**0.000378J**	mg/L	0.000500	0.000128		1	09/17/23 08:08	09/17/23 13:58	91-20-3	J
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 13:58	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 13:58	129-00-0	
2-Methylnaphthalene	**0.0000963 J**	mg/L	0.000500	0.0000280		1	09/17/23 08:08	09/17/23 13:58	91-57-6	J
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/17/23 08:08	09/17/23 13:58	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	94.0	%	11.0-135			1	09/17/23 08:08	09/17/23 13:58	4165-60-0	
2-Fluorobiphenyl (S)	83.5	%	32.0-120			1	09/17/23 08:08	09/17/23 13:58	321-60-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: Field Blank - 2 **Lab ID: 20289275006** Collected: 09/12/23 13:05 Received: 09/13/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Surrogates										
Terphenyl-d14 (S)	102	%	23.0-122			1	09/17/23 08:08	09/17/23 13:58	1718-51-0	

Sample: EB-1 **Lab ID: 20289275007** Collected: 09/12/23 13:18 Received: 09/13/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:12		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:12		
Aliphatic (>C16-C35)	**0.0553J**	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:12	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/20/23 03:35	09/21/23 10:35		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:35		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:35		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 10:35		
Surrogates										
o-Terphenyl (S)	89.6	%	40.0-140			1	09/20/23 03:35	09/21/23 10:35	84-15-1	
1-Chloro-octadecane (S)	92.6	%	40.0-140			1	09/20/23 03:35	09/21/23 10:12		
2-Fluorobiphenyl (S)	91.7	%	40.0-140			1	09/20/23 03:35	09/21/23 10:35	321-60-8	
2-Bromonaphthalene (S)	91.2	%	40.0-140			1	09/20/23 03:35	09/21/23 10:35	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0010	0.00034	.006	1	09/18/23 07:13	09/19/23 20:01	7440-36-0	
Arsenic	ND	mg/L	0.0010	0.00010	.01	1	09/18/23 07:13	09/19/23 20:01	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/18/23 07:13	09/19/23 20:01	7440-39-3	
Beryllium	ND	mg/L	0.0010	0.00021	.004	1	09/18/23 07:13	09/19/23 20:01	7440-41-7	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/18/23 07:13	09/19/23 20:01	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/18/23 07:13	09/19/23 20:01	7440-47-3	
Cobalt	ND	mg/L	0.0010	0.00012	.22	1	09/18/23 07:13	09/19/23 20:01	7440-48-4	
Copper	ND	mg/L	0.0030	0.0017	1.3	1	09/18/23 07:13	09/19/23 20:01	7440-50-8	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/18/23 07:13	09/19/23 20:01	7439-92-1	
Nickel	ND	mg/L	0.0010	0.00062	.073	1	09/18/23 07:13	09/19/23 20:01	7440-02-0	
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/18/23 07:13	09/19/23 20:01	7782-49-2	
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/18/23 07:13	09/19/23 20:01	7440-22-4	
Thallium	ND	mg/L	0.00050	0.00011	.002	1	09/18/23 07:13	09/19/23 20:01	7440-28-0	
Vanadium	ND	mg/L	0.0050	0.00023	.026	1	09/18/23 07:13	09/19/23 20:01	7440-62-2	
Zinc	ND	mg/L	0.010	0.0072	1.1	1	09/18/23 07:13	09/19/23 20:01	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: EB-1 **Lab ID: 20289275007** Collected: 09/12/23 13:18 Received: 09/13/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000018		1	09/15/23 17:22	09/15/23 22:47	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/17/23 08:08	09/17/23 14:16	120-12-7	
Acenaphthene	**0.000241**	mg/L	0.0000500	0.0000190		1	09/17/23 08:08	09/17/23 14:16	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 14:16	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/17/23 08:08	09/17/23 14:16	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 14:16	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 14:16	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.0002500	0.0000200		1	09/17/23 08:08	09/17/23 14:16	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 14:16	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 14:16	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/17/23 08:08	09/17/23 14:16	206-44-0	
Fluorene	**0.000141**	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 14:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 14:16	193-39-5	
Naphthalene	**0.000835**	mg/L	0.0005000	0.000128		1	09/17/23 08:08	09/17/23 14:16	91-20-3	
Phenanthrene	**0.000184**	mg/L	0.0000500	0.0000180		1	09/17/23 08:08	09/17/23 14:16	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/17/23 08:08	09/17/23 14:16	129-00-0	
2-Methylnaphthalene	**0.000302J**	mg/L	0.0005000	0.0000280		1	09/17/23 08:08	09/17/23 14:16	91-57-6	J
2-Chloronaphthalene	ND	mg/L	0.0005000	0.0000120		1	09/17/23 08:08	09/17/23 14:16	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	87.0	%	11.0-135			1	09/17/23 08:08	09/17/23 14:16	4165-60-0	
2-Fluorobiphenyl (S)	82.0	%	32.0-120			1	09/17/23 08:08	09/17/23 14:16	321-60-8	
Terphenyl-d14 (S)	97.5	%	23.0-122			1	09/17/23 08:08	09/17/23 14:16	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (0-2) **Lab ID: 20289275008** Collected: 09/12/23 14:45 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/25/23 17:10		
Aliphatic (>C12-C16)	**2.62J**	mg/kg	25.0	1.68		1	09/21/23 08:05	09/25/23 17:10		B,J
Aliphatic (>C16-C35)	**38.7J**	mg/kg	100	1.68		1	09/21/23 08:05	09/25/23 17:10	TPHC16C35	J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/24/23 00:19		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/24/23 00:19		
Aromatic (>C16-C21)	**17.3J**	mg/kg	25.0	2.12		1	09/21/23 08:05	09/24/23 00:19		J
Aromatic (>C21-C35)	**32.8**	mg/kg	25.0	2.12		1	09/21/23 08:05	09/24/23 00:19		
Surrogates										
o-Terphenyl (S)	64.8	%	40.0-140			1	09/21/23 08:05	09/24/23 00:19	84-15-1	
1-Chloro-octadecane (S)	78.4	%	40.0-140			1	09/21/23 08:05	09/25/23 17:10		
2-Fluorobiphenyl (S)	95.1	%	40.0-140			1	09/21/23 08:05	09/24/23 00:19	321-60-8	
2-Bromonaphthalene (S)	94.4	%	40.0-140			1	09/21/23 08:05	09/24/23 00:19	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4280	1810	1200000	1	09/14/23 10:15	09/14/23 16:01		
Aliphatic (>C08-C10)	ND	ug/kg	3530	2100	120000	1	09/14/23 10:15	09/14/23 16:01		
Aromatic (>C08-C10)	ND	ug/kg	3530	1440	65000	1	09/14/23 10:15	09/14/23 16:01		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/14/23 10:15	09/14/23 16:01	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.1	0.32	3.1	1	09/15/23 11:40	09/18/23 14:10	7440-36-0	
Arsenic	**4.1**	mg/kg	0.70	0.34	12	1	09/15/23 11:40	09/18/23 14:10	7440-38-2	
Barium	**147**	mg/kg	14.1	0.69	550	1	09/15/23 11:40	09/18/23 14:10	7440-39-3	
Beryllium	**0.69**	mg/kg	0.35	0.051	8	1	09/15/23 11:40	09/18/23 14:10	7440-41-7	
Cadmium	ND	mg/kg	0.35	0.050	3.9	1	09/15/23 11:40	09/18/23 14:10	7440-43-9	
Chromium	**20.3**	mg/kg	0.70	0.32	100	1	09/15/23 11:40	09/18/23 14:10	7440-47-3	
Cobalt	**7.2**	mg/kg	0.70	0.15	470	1	09/15/23 11:40	09/18/23 14:10	7440-48-4	
Copper	**16.7**	mg/kg	0.70	0.17	310	1	09/15/23 11:40	09/18/23 14:10	7440-50-8	
Lead	**15.8**	mg/kg	0.35	0.23	100	1	09/15/23 11:40	09/18/23 14:10	7439-92-1	
Nickel	**22.3**	mg/kg	2.8	2.3	160	1	09/15/23 11:40	09/18/23 14:10	7440-02-0	
Selenium	ND	mg/kg	1.4	0.41	20	1	09/15/23 11:40	09/18/23 14:10	7782-49-2	
Silver	ND	mg/kg	0.70	0.18	39	1	09/15/23 11:40	09/18/23 14:10	7440-22-4	
Thallium	ND	mg/kg	0.35	0.27	.55	1	09/15/23 11:40	09/18/23 14:10	7440-28-0	
Vanadium	**32.4**	mg/kg	3.5	1.4	55	1	09/15/23 11:40	09/18/23 14:10	7440-62-2	
Zinc	**53.4**	mg/kg	3.5	1.8	2300	1	09/15/23 11:40	09/18/23 14:10	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (0-2) **Lab ID: 20289275008** Collected: 09/12/23 14:45 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.058**	mg/kg	0.014	0.0093		1	09/15/23 11:44	09/15/23 22:46	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 04:58	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 04:58	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 04:58	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 04:58	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 04:58	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 04:58	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 04:58	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 04:58	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 04:58	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:58	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 04:58	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 04:58	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 04:58	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 04:58	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 04:58	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 04:58	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 04:58	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 04:58	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 04:58	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 04:58	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 04:58	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 04:58	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 04:58	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 04:58	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 04:58	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 04:58	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 04:58	77-47-4	ML
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 04:58	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 04:58	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 04:58	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 04:58	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 04:58	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 04:58	99-09-2	R1
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 04:58	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 04:58	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 04:58	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 04:58	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 04:58	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (0-2) **Lab ID: 20289275008** Collected: 09/12/23 14:45 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 04:58	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 04:58	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 04:58	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:58	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 04:58	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 04:58	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 04:58	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 04:58	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:58	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 04:58	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 04:58	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 04:58	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 04:58	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 04:58	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 04:58	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 04:58	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 04:58	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 04:58	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 04:58	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 04:58	88-85-7	
Surrogates										
2-Fluorophenol (S)	66.6	%	12.0-120			1	09/22/23 06:23	09/23/23 04:58	367-12-4	
Phenol-d5 (S)	58.5	%	10.0-120			1	09/22/23 06:23	09/23/23 04:58	4165-62-2	
Nitrobenzene-d5 (S)	52.0	%	10.0-122			1	09/22/23 06:23	09/23/23 04:58	4165-60-0	
2-Fluorobiphenyl (S)	61.7	%	15.0-120			1	09/22/23 06:23	09/23/23 04:58	321-60-8	
2,4,6-Tribromophenol (S)	59.7	%	10.0-127			1	09/22/23 06:23	09/23/23 04:58	118-79-6	
Terphenyl-d14 (S)	74.5	%	10.0-120			1	09/22/23 06:23	09/23/23 04:58	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.021**	mg/kg	0.0089	0.0039	1.5	1	09/14/23 10:15	09/21/23 11:24	67-64-1	B
Benzene	ND	mg/kg	0.0045	0.0012	.051	1	09/14/23 10:15	09/21/23 11:24	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0013	.92	1	09/14/23 10:15	09/21/23 11:24	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/14/23 10:15	09/21/23 11:24	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 11:24	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0089	0.0026	5	1	09/14/23 10:15	09/21/23 11:24	78-93-3	
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/14/23 10:15	09/21/23 11:24	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00096	.11	1	09/14/23 10:15	09/21/23 11:24	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/14/23 10:15	09/21/23 11:24	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (0-2) **Lab ID: 20289275008** Collected: 09/12/23 14:45 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/14/23 10:15	09/21/23 11:24	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/14/23 10:15	09/21/23 11:24	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/14/23 10:15	09/21/23 11:24	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/14/23 10:15	09/21/23 11:24	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/14/23 10:15	09/21/23 11:24	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0013	7.5	1	09/14/23 10:15	09/21/23 11:24	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0013	.035	1	09/14/23 10:15	09/21/23 11:24	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/14/23 10:15	09/21/23 11:24	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0012	.49	1	09/14/23 10:15	09/21/23 11:24	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0011	.77	1	09/14/23 10:15	09/21/23 11:24	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/14/23 10:15	09/21/23 11:24	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 11:24	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0014	.04	1	09/14/23 10:15	09/21/23 11:24	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0012	19	1	09/14/23 10:15	09/21/23 11:24	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.033	30	1	09/14/23 10:15	09/21/23 11:24	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0041	.017	1	09/14/23 10:15	09/21/23 11:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0089	0.0017	6.4	1	09/14/23 10:15	09/21/23 11:24	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/14/23 10:15	09/21/23 11:24	1634-04-4	
Styrene	ND	mg/kg	0.0045	0.0014	11	1	09/14/23 10:15	09/21/23 11:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/14/23 10:15	09/21/23 11:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/14/23 10:15	09/21/23 11:24	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/14/23 10:15	09/21/23 11:24	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/14/23 10:15	09/21/23 11:24	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0013	14	1	09/14/23 10:15	09/21/23 11:24	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/14/23 10:15	09/21/23 11:24	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0013	.058	1	09/14/23 10:15	09/21/23 11:24	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/14/23 10:15	09/21/23 11:24	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/14/23 10:15	09/21/23 11:24	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00099	.013	1	09/14/23 10:15	09/21/23 11:24	75-01-4	
m&p-Xylene	ND	mg/kg	0.0089	0.0029	18	1	09/14/23 10:15	09/21/23 11:24	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/14/23 10:15	09/21/23 11:24	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 11:24	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	64-139			1	09/14/23 10:15	09/21/23 11:24	460-00-4	
Dibromofluoromethane (S)	94	%.	66-143			1	09/14/23 10:15	09/21/23 11:24	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (6-8) **Lab ID: 20289275009** Collected: 09/12/23 14:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 19:01		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 19:01		
Aliphatic (>C16-C35)	**2.33J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 19:01	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:40		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:40		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:40		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:40		
Surrogates										
o-Terphenyl (S)	81.6	%	40.0-140			1	09/21/23 08:05	09/22/23 14:40	84-15-1	
1-Chloro-octadecane (S)	87.2	%	40.0-140			1	09/21/23 08:05	09/22/23 19:01		
2-Fluorobiphenyl (S)	96.1	%	40.0-140			1	09/21/23 08:05	09/22/23 14:40	321-60-8	
2-Bromonaphthalene (S)	95.2	%	40.0-140			1	09/21/23 08:05	09/22/23 14:40	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4070	1720	1200000	1	09/14/23 10:15	09/14/23 16:23		
Aliphatic (>C08-C10)	ND	ug/kg	3350	2000	120000	1	09/14/23 10:15	09/14/23 16:23		
Aromatic (>C08-C10)	ND	ug/kg	3350	1370	65000	1	09/14/23 10:15	09/14/23 16:23		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/14/23 10:15	09/14/23 16:23	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.1	0.32	3.1	1	09/15/23 11:40	09/18/23 14:14	7440-36-0	
Arsenic	**2.2**	mg/kg	0.71	0.34	12	1	09/15/23 11:40	09/18/23 14:14	7440-38-2	
Barium	**111**	mg/kg	14.3	0.70	550	1	09/15/23 11:40	09/18/23 14:14	7440-39-3	
Beryllium	**0.34J**	mg/kg	0.36	0.052	8	1	09/15/23 11:40	09/18/23 14:14	7440-41-7	
Cadmium	ND	mg/kg	0.36	0.051	3.9	1	09/15/23 11:40	09/18/23 14:14	7440-43-9	
Chromium	**11.3**	mg/kg	0.71	0.32	100	1	09/15/23 11:40	09/18/23 14:14	7440-47-3	
Cobalt	**5.0**	mg/kg	0.71	0.15	470	1	09/15/23 11:40	09/18/23 14:14	7440-48-4	
Copper	**9.6**	mg/kg	0.71	0.17	310	1	09/15/23 11:40	09/18/23 14:14	7440-50-8	
Lead	**7.4**	mg/kg	0.36	0.23	100	1	09/15/23 11:40	09/18/23 14:14	7439-92-1	
Nickel	**13.0**	mg/kg	2.9	2.3	160	1	09/15/23 11:40	09/18/23 14:14	7440-02-0	
Selenium	ND	mg/kg	1.4	0.42	20	1	09/15/23 11:40	09/18/23 14:14	7782-49-2	
Silver	ND	mg/kg	0.71	0.18	39	1	09/15/23 11:40	09/18/23 14:14	7440-22-4	
Thallium	ND	mg/kg	0.36	0.27	.55	1	09/15/23 11:40	09/18/23 14:14	7440-28-0	
Vanadium	**18.4**	mg/kg	3.6	1.5	55	1	09/15/23 11:40	09/18/23 14:14	7440-62-2	
Zinc	**31.7**	mg/kg	3.6	1.8	2300	1	09/15/23 11:40	09/18/23 14:14	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (6-8) **Lab ID: 20289275009** Collected: 09/12/23 14:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.020**	mg/kg	0.014	0.0091		1	09/15/23 11:44	09/15/23 22:48	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 02:24	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 02:24	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 02:24	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 02:24	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 02:24	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 02:24	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 02:24	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 02:24	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 02:24	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 02:24	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 02:24	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 02:24	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 02:24	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 02:24	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 02:24	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 02:24	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 02:24	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 02:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 02:24	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 02:24	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 02:24	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 02:24	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 02:24	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 02:24	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 02:24	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 02:24	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 02:24	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 02:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 02:24	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 02:24	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 02:24	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 02:24	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 02:24	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 02:24	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 02:24	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 02:24	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 02:24	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 02:24	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (6-8) **Lab ID: 20289275009** Collected: 09/12/23 14:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 02:24	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 02:24	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 02:24	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 02:24	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 02:24	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 02:24	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 02:24	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 02:24	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 02:24	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 02:24	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 02:24	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 02:24	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 02:24	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 02:24	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 02:24	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 02:24	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 02:24	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 02:24	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 02:24	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 02:24	88-85-7	
Surrogates										
2-Fluorophenol (S)	62.3	%	12.0-120			1	09/22/23 06:23	09/23/23 02:24	367-12-4	
Phenol-d5 (S)	54.2	%	10.0-120			1	09/22/23 06:23	09/23/23 02:24	4165-62-2	
Nitrobenzene-d5 (S)	49.7	%	10.0-122			1	09/22/23 06:23	09/23/23 02:24	4165-60-0	
2-Fluorobiphenyl (S)	54.0	%	15.0-120			1	09/22/23 06:23	09/23/23 02:24	321-60-8	
2,4,6-Tribromophenol (S)	49.5	%	10.0-127			1	09/22/23 06:23	09/23/23 02:24	118-79-6	
Terphenyl-d14 (S)	67.1	%	10.0-120			1	09/22/23 06:23	09/23/23 02:24	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0051J**	mg/kg	0.0095	0.0042	1.5	1	09/14/23 10:15	09/21/23 11:43	67-64-1	B
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/14/23 10:15	09/21/23 11:43	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0014	.92	1	09/14/23 10:15	09/21/23 11:43	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/14/23 10:15	09/21/23 11:43	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/14/23 10:15	09/21/23 11:43	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0095	0.0028	5	1	09/14/23 10:15	09/21/23 11:43	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/14/23 10:15	09/21/23 11:43	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/14/23 10:15	09/21/23 11:43	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/14/23 10:15	09/21/23 11:43	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (6-8) **Lab ID: 20289275009** Collected: 09/12/23 14:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/14/23 10:15	09/21/23 11:43	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0013	.044	1	09/14/23 10:15	09/21/23 11:43	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/14/23 10:15	09/21/23 11:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/14/23 10:15	09/21/23 11:43	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/14/23 10:15	09/21/23 11:43	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0014	7.5	1	09/14/23 10:15	09/21/23 11:43	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/14/23 10:15	09/21/23 11:43	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0013	.085	1	09/14/23 10:15	09/21/23 11:43	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/14/23 10:15	09/21/23 11:43	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/14/23 10:15	09/21/23 11:43	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0014	.042	1	09/14/23 10:15	09/21/23 11:43	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/14/23 10:15	09/21/23 11:43	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0015	.04	1	09/14/23 10:15	09/21/23 11:43	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/14/23 10:15	09/21/23 11:43	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/14/23 10:15	09/21/23 11:43	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0044	.017	1	09/14/23 10:15	09/21/23 11:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0095	0.0018	6.4	1	09/14/23 10:15	09/21/23 11:43	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/14/23 10:15	09/21/23 11:43	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0015	11	1	09/14/23 10:15	09/21/23 11:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/14/23 10:15	09/21/23 11:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0018	.006	1	09/14/23 10:15	09/21/23 11:43	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/14/23 10:15	09/21/23 11:43	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0020	20	1	09/14/23 10:15	09/21/23 11:43	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0014	14	1	09/14/23 10:15	09/21/23 11:43	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/14/23 10:15	09/21/23 11:43	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0014	.058	1	09/14/23 10:15	09/21/23 11:43	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/14/23 10:15	09/21/23 11:43	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/14/23 10:15	09/21/23 11:43	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/14/23 10:15	09/21/23 11:43	75-01-4	
m&p-Xylene	ND	mg/kg	0.0095	0.0031	18	1	09/14/23 10:15	09/21/23 11:43	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/14/23 10:15	09/21/23 11:43	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 11:43	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	64-139			1	09/14/23 10:15	09/21/23 11:43	460-00-4	
Dibromofluoromethane (S)	93	%.	66-143			1	09/14/23 10:15	09/21/23 11:43	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (2-4) **Lab ID: 20289275010** Collected: 09/12/23 15:07 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 18:16		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 18:16		
Aliphatic (>C16-C35)	**2.72J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 18:16	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 13:55		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 13:55		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 13:55		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 13:55		
Surrogates										
o-Terphenyl (S)	72.2	%	40.0-140			1	09/21/23 08:05	09/22/23 13:55	84-15-1	
1-Chloro-octadecane (S)	80.9	%	40.0-140			1	09/21/23 08:05	09/22/23 18:16		
2-Fluorobiphenyl (S)	94.5	%	40.0-140			1	09/21/23 08:05	09/22/23 13:55	321-60-8	
2-Bromonaphthalene (S)	93.8	%	40.0-140			1	09/21/23 08:05	09/22/23 13:55	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3730	1580	1200000	1	09/14/23 10:15	09/14/23 16:46		
Aliphatic (>C08-C10)	ND	ug/kg	3070	1830	120000	1	09/14/23 10:15	09/14/23 16:46		
Aromatic (>C08-C10)	ND	ug/kg	3070	1260	65000	1	09/14/23 10:15	09/14/23 16:46		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1	09/14/23 10:15	09/14/23 16:46	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.7	0.40	3.1	1	09/15/23 11:40	09/18/23 14:18	7440-36-0	
Arsenic	**3.1**	mg/kg	0.89	0.43	12	1	09/15/23 11:40	09/18/23 14:18	7440-38-2	
Barium	**134**	mg/kg	17.9	0.88	550	1	09/15/23 11:40	09/18/23 14:18	7440-39-3	
Beryllium	**0.56**	mg/kg	0.45	0.065	8	1	09/15/23 11:40	09/18/23 14:18	7440-41-7	
Cadmium	ND	mg/kg	0.45	0.063	3.9	1	09/15/23 11:40	09/18/23 14:18	7440-43-9	
Chromium	**15.7**	mg/kg	0.89	0.40	100	1	09/15/23 11:40	09/18/23 14:18	7440-47-3	
Cobalt	**6.7**	mg/kg	0.89	0.19	470	1	09/15/23 11:40	09/18/23 14:18	7440-48-4	
Copper	**13.7**	mg/kg	0.89	0.21	310	1	09/15/23 11:40	09/18/23 14:18	7440-50-8	
Lead	**9.9**	mg/kg	0.45	0.29	100	1	09/15/23 11:40	09/18/23 14:18	7439-92-1	
Nickel	**15.0**	mg/kg	3.6	2.9	160	1	09/15/23 11:40	09/18/23 14:18	7440-02-0	
Selenium	ND	mg/kg	1.8	0.52	20	1	09/15/23 11:40	09/18/23 14:18	7782-49-2	
Silver	ND	mg/kg	0.89	0.23	39	1	09/15/23 11:40	09/18/23 14:18	7440-22-4	
Thallium	ND	mg/kg	0.45	0.34	.55	1	09/15/23 11:40	09/18/23 14:18	7440-28-0	
Vanadium	**28.4**	mg/kg	4.5	1.8	55	1	09/15/23 11:40	09/18/23 14:18	7440-62-2	
Zinc	**47.6**	mg/kg	4.5	2.3	2300	1	09/15/23 11:40	09/18/23 14:18	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (2-4) **Lab ID: 20289275010** Collected: 09/12/23 15:07 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.025**	mg/kg	0.016	0.010		1	09/15/23 11:44	09/15/23 22:51	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 03:52	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 03:52	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 03:52	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 03:52	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 03:52	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 03:52	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 03:52	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 03:52	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 03:52	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:52	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 03:52	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 03:52	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 03:52	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 03:52	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 03:52	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 03:52	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 03:52	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 03:52	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 03:52	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 03:52	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 03:52	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 03:52	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 03:52	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 03:52	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 03:52	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 03:52	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 03:52	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 03:52	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 03:52	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 03:52	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 03:52	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 03:52	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 03:52	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 03:52	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 03:52	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 03:52	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 03:52	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 03:52	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (2-4) **Lab ID: 20289275010** Collected: 09/12/23 15:07 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 03:52	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 03:52	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 03:52	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:52	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 03:52	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 03:52	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 03:52	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 03:52	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:52	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 03:52	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 03:52	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 03:52	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 03:52	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 03:52	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 03:52	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 03:52	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 03:52	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 03:52	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 03:52	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 03:52	88-85-7	
Surrogates										
2-Fluorophenol (S)	75.4	%	12.0-120			1	09/22/23 06:23	09/23/23 03:52	367-12-4	
Phenol-d5 (S)	66.3	%	10.0-120			1	09/22/23 06:23	09/23/23 03:52	4165-62-2	
Nitrobenzene-d5 (S)	62.5	%	10.0-122			1	09/22/23 06:23	09/23/23 03:52	4165-60-0	
2-Fluorobiphenyl (S)	69.2	%	15.0-120			1	09/22/23 06:23	09/23/23 03:52	321-60-8	
2,4,6-Tribromophenol (S)	60.7	%	10.0-127			1	09/22/23 06:23	09/23/23 03:52	118-79-6	
Terphenyl-d14 (S)	84.3	%	10.0-120			1	09/22/23 06:23	09/23/23 03:52	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0082J**	mg/kg	0.0085	0.0038	1.5	1	09/14/23 10:15	09/21/23 12:02	67-64-1	B
Benzene	ND	mg/kg	0.0043	0.0012	.051	1	09/14/23 10:15	09/21/23 12:02	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0043	0.0013	.92	1	09/14/23 10:15	09/21/23 12:02	75-27-4	
Bromoform	ND	mg/kg	0.0043	0.0014	1.8	1	09/14/23 10:15	09/21/23 12:02	75-25-2	
Bromomethane	ND	mg/kg	0.0043	0.0012	.04	1	09/14/23 10:15	09/21/23 12:02	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0085	0.0025	5	1	09/14/23 10:15	09/21/23 12:02	78-93-3	
Carbon disulfide	ND	mg/kg	0.0043	0.0012	11	1	09/14/23 10:15	09/21/23 12:02	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0043	0.00091	.11	1	09/14/23 10:15	09/21/23 12:02	56-23-5	
Chlorobenzene	ND	mg/kg	0.0043	0.0013	3	1	09/14/23 10:15	09/21/23 12:02	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (2-4) **Lab ID: 20289275010** Collected: 09/12/23 15:07 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0043	0.0011	.035	1	09/14/23 10:15	09/21/23 12:02	75-00-3	
Chloroform	ND	mg/kg	0.0043	0.0012	.044	1	09/14/23 10:15	09/21/23 12:02	67-66-3	
Chloromethane	ND	mg/kg	0.0043	0.0010	.1	1	09/14/23 10:15	09/21/23 12:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.0015	.01	1	09/14/23 10:15	09/21/23 12:02	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0043	0.0014	1	1	09/14/23 10:15	09/21/23 12:02	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0043	0.0013	7.5	1	09/14/23 10:15	09/21/23 12:02	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0043	0.0013	.035	1	09/14/23 10:15	09/21/23 12:02	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0043	0.0012	.085	1	09/14/23 10:15	09/21/23 12:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0012	.49	1	09/14/23 10:15	09/21/23 12:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0011	.77	1	09/14/23 10:15	09/21/23 12:02	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0043	0.0013	.042	1	09/14/23 10:15	09/21/23 12:02	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0013	.04	1	09/14/23 10:15	09/21/23 12:02	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0014	.04	1	09/14/23 10:15	09/21/23 12:02	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0043	0.0012	19	1	09/14/23 10:15	09/21/23 12:02	100-41-4	
Isobutanol	ND	mg/kg	0.21	0.031	30	1	09/14/23 10:15	09/21/23 12:02	78-83-1	
Methylene Chloride	ND	mg/kg	0.0043	0.0040	.017	1	09/14/23 10:15	09/21/23 12:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0085	0.0016	6.4	1	09/14/23 10:15	09/21/23 12:02	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0043	0.0012	.077	1	09/14/23 10:15	09/21/23 12:02	1634-04-4	
Styrene	ND	mg/kg	0.0043	0.0014	11	1	09/14/23 10:15	09/21/23 12:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0013	.046	1	09/14/23 10:15	09/21/23 12:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0016	.006	1	09/14/23 10:15	09/21/23 12:02	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0043	0.0012	.18	1	09/14/23 10:15	09/21/23 12:02	127-18-4	
Toluene	ND	mg/kg	0.0043	0.0018	20	1	09/14/23 10:15	09/21/23 12:02	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	14	1	09/14/23 10:15	09/21/23 12:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.0011	4	1	09/14/23 10:15	09/21/23 12:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.0013	.058	1	09/14/23 10:15	09/21/23 12:02	79-00-5	
Trichloroethene	ND	mg/kg	0.0043	0.0012	.073	1	09/14/23 10:15	09/21/23 12:02	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0011	37	1	09/14/23 10:15	09/21/23 12:02	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00095	.013	1	09/14/23 10:15	09/21/23 12:02	75-01-4	
m&p-Xylene	ND	mg/kg	0.0085	0.0028	18	1	09/14/23 10:15	09/21/23 12:02	179601-23-1	
o-Xylene	ND	mg/kg	0.0043	0.0013	18	1	09/14/23 10:15	09/21/23 12:02	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/14/23 10:15	09/21/23 12:02	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/14/23 10:15	09/21/23 12:02	460-00-4	
Dibromofluoromethane (S)	95	%.	66-143			1	09/14/23 10:15	09/21/23 12:02	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (0-2) **Lab ID: 20289275011** Collected: 09/12/23 15:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 19:23		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 19:23		
Aliphatic (>C16-C35)	**7.13J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 19:23	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:18		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:18		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:18		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:18		
Surrogates										
o-Terphenyl (S)	59.6	%	40.0-140			1	09/21/23 08:05	09/22/23 15:18	84-15-1	
1-Chloro-octadecane (S)	74.8	%	40.0-140			1	09/21/23 08:05	09/22/23 19:23		
2-Fluorobiphenyl (S)	94.9	%	40.0-140			1	09/21/23 08:05	09/22/23 15:18	321-60-8	
2-Bromonaphthalene (S)	93.2	%	40.0-140			1	09/21/23 08:05	09/22/23 15:18	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4240	1800	1200000	1	09/14/23 10:15	09/14/23 17:09		
Aliphatic (>C08-C10)	ND	ug/kg	3490	2080	120000	1	09/14/23 10:15	09/14/23 17:09		
Aromatic (>C08-C10)	ND	ug/kg	3490	1430	65000	1	09/14/23 10:15	09/14/23 17:09		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1	09/14/23 10:15	09/14/23 17:09	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	**1.2J**	mg/kg	2.8	0.42	3.1	1	09/15/23 11:40	09/18/23 14:22	7440-36-0	
Arsenic	**4.4**	mg/kg	0.93	0.44	12	1	09/15/23 11:40	09/18/23 14:22	7440-38-2	
Barium	**136**	mg/kg	18.5	0.91	550	1	09/15/23 11:40	09/18/23 14:22	7440-39-3	
Beryllium	**0.45J**	mg/kg	0.46	0.068	8	1	09/15/23 11:40	09/18/23 14:22	7440-41-7	
Cadmium	ND	mg/kg	0.46	0.066	3.9	1	09/15/23 11:40	09/18/23 14:22	7440-43-9	
Chromium	**18.5**	mg/kg	0.93	0.42	100	1	09/15/23 11:40	09/18/23 14:22	7440-47-3	
Cobalt	**6.0**	mg/kg	0.93	0.19	470	1	09/15/23 11:40	09/18/23 14:22	7440-48-4	
Copper	**32.5**	mg/kg	0.93	0.22	310	1	09/15/23 11:40	09/18/23 14:22	7440-50-8	
Lead	**66.8**	mg/kg	0.46	0.30	100	1	09/15/23 11:40	09/18/23 14:22	7439-92-1	
Nickel	**19.1**	mg/kg	3.7	3.0	160	1	09/15/23 11:40	09/18/23 14:22	7440-02-0	
Selenium	ND	mg/kg	1.9	0.54	20	1	09/15/23 11:40	09/18/23 14:22	7782-49-2	
Silver	ND	mg/kg	0.93	0.24	39	1	09/15/23 11:40	09/18/23 14:22	7440-22-4	
Thallium	ND	mg/kg	0.46	0.36	.55	1	09/15/23 11:40	09/18/23 14:22	7440-28-0	
Vanadium	**23.8**	mg/kg	4.6	1.9	55	1	09/15/23 11:40	09/18/23 14:22	7440-62-2	
Zinc	**73.4**	mg/kg	4.6	2.4	2300	1	09/15/23 11:40	09/18/23 14:22	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (0-2) **Lab ID: 20289275011** Collected: 09/12/23 15:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.043**	mg/kg	0.016	0.011		1	09/15/23 11:44	09/15/23 22:53	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 09:21	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 09:21	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 09:21	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 09:21	120-12-7	
Benzo(a)anthracene	**0.00598J**	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 09:21	56-55-3	J
Benzo(b)fluoranthene	**0.00822J**	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 09:21	205-99-2	J
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 09:21	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 09:21	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 09:21	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 09:21	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 09:21	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 09:21	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 09:21	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 09:21	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 09:21	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 09:21	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 09:21	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 09:21	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 09:21	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 09:21	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 09:21	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 09:21	606-20-2	
Fluoranthene	**0.0123J**	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 09:21	206-44-0	J
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 09:21	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 09:21	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 09:21	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 09:21	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 09:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 09:21	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 09:21	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 09:21	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 09:21	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 09:21	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 09:21	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 09:21	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 09:21	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 09:21	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 09:21	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (0-2) **Lab ID: 20289275011** Collected: 09/12/23 15:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	**0.00914J**	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 09:21	85-01-8	J
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 09:21	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 09:21	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 09:21	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 09:21	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 09:21	117-84-0	
Pyrene	**0.0125J**	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 09:21	129-00-0	J
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 09:21	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 09:21	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 09:21	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 09:21	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 09:21	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 09:21	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 09:21	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 09:21	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 09:21	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 09:21	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 09:21	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 09:21	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 09:21	88-85-7	
Surrogates										
2-Fluorophenol (S)	64.7	%	12.0-120			1	09/22/23 06:23	09/23/23 09:21	367-12-4	
Phenol-d5 (S)	60.7	%	10.0-120			1	09/22/23 06:23	09/23/23 09:21	4165-62-2	
Nitrobenzene-d5 (S)	51.1	%	10.0-122			1	09/22/23 06:23	09/23/23 09:21	4165-60-0	
2-Fluorobiphenyl (S)	62.6	%	15.0-120			1	09/22/23 06:23	09/23/23 09:21	321-60-8	
2,4,6-Tribromophenol (S)	63.3	%	10.0-127			1	09/22/23 06:23	09/23/23 09:21	118-79-6	
Terphenyl-d14 (S)	77.0	%	10.0-120			1	09/22/23 06:23	09/23/23 09:21	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.014**	mg/kg	0.0096	0.0042	1.5	1	09/14/23 10:15	09/21/23 12:21	67-64-1	B
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/14/23 10:15	09/21/23 12:21	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0014	.92	1	09/14/23 10:15	09/21/23 12:21	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/14/23 10:15	09/21/23 12:21	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/14/23 10:15	09/21/23 12:21	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0096	0.0028	5	1	09/14/23 10:15	09/21/23 12:21	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/14/23 10:15	09/21/23 12:21	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/14/23 10:15	09/21/23 12:21	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/14/23 10:15	09/21/23 12:21	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (0-2) **Lab ID: 20289275011** Collected: 09/12/23 15:53 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/14/23 10:15	09/21/23 12:21	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0013	.044	1	09/14/23 10:15	09/21/23 12:21	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/14/23 10:15	09/21/23 12:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/14/23 10:15	09/21/23 12:21	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/14/23 10:15	09/21/23 12:21	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0014	7.5	1	09/14/23 10:15	09/21/23 12:21	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/14/23 10:15	09/21/23 12:21	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0013	.085	1	09/14/23 10:15	09/21/23 12:21	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/14/23 10:15	09/21/23 12:21	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/14/23 10:15	09/21/23 12:21	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0015	.042	1	09/14/23 10:15	09/21/23 12:21	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/14/23 10:15	09/21/23 12:21	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0015	.04	1	09/14/23 10:15	09/21/23 12:21	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/14/23 10:15	09/21/23 12:21	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/14/23 10:15	09/21/23 12:21	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0044	.017	1	09/14/23 10:15	09/21/23 12:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0096	0.0018	6.4	1	09/14/23 10:15	09/21/23 12:21	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/14/23 10:15	09/21/23 12:21	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0015	11	1	09/14/23 10:15	09/21/23 12:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/14/23 10:15	09/21/23 12:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0018	.006	1	09/14/23 10:15	09/21/23 12:21	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/14/23 10:15	09/21/23 12:21	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0020	20	1	09/14/23 10:15	09/21/23 12:21	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0014	14	1	09/14/23 10:15	09/21/23 12:21	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/14/23 10:15	09/21/23 12:21	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0014	.058	1	09/14/23 10:15	09/21/23 12:21	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/14/23 10:15	09/21/23 12:21	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/14/23 10:15	09/21/23 12:21	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/14/23 10:15	09/21/23 12:21	75-01-4	
m&p-Xylene	ND	mg/kg	0.0096	0.0031	18	1	09/14/23 10:15	09/21/23 12:21	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/14/23 10:15	09/21/23 12:21	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 12:21	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	64-139			1	09/14/23 10:15	09/21/23 12:21	460-00-4	
Dibromofluoromethane (S)	93	%.	66-143			1	09/14/23 10:15	09/21/23 12:21	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (6-8) **Lab ID: 20289275012** Collected: 09/12/23 16:02 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 18:39		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 18:39		
Aliphatic (>C16-C35)	**2.56J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 18:39	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:18		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:18		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:18		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 14:18		
Surrogates										
o-Terphenyl (S)	78.1	%	40.0-140			1	09/21/23 08:05	09/22/23 14:18	84-15-1	
1-Chloro-octadecane (S)	87.0	%	40.0-140			1	09/21/23 08:05	09/22/23 18:39		
2-Fluorobiphenyl (S)	97.5	%	40.0-140			1	09/21/23 08:05	09/22/23 14:18	321-60-8	
2-Bromonaphthalene (S)	96.5	%	40.0-140			1	09/21/23 08:05	09/22/23 14:18	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3720	1580	1200000	1	09/14/23 10:15	09/14/23 17:32		
Aliphatic (>C08-C10)	ND	ug/kg	3060	1830	120000	1	09/14/23 10:15	09/14/23 17:32		
Aromatic (>C08-C10)	ND	ug/kg	3060	1250	65000	1	09/14/23 10:15	09/14/23 17:32		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1	09/14/23 10:15	09/14/23 17:32	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.7	0.40	3.1	1	09/15/23 11:40	09/18/23 14:26	7440-36-0	
Arsenic	**2.5**	mg/kg	0.89	0.43	12	1	09/15/23 11:40	09/18/23 14:26	7440-38-2	
Barium	**124**	mg/kg	17.9	0.88	550	1	09/15/23 11:40	09/18/23 14:26	7440-39-3	
Beryllium	**0.42J**	mg/kg	0.45	0.065	8	1	09/15/23 11:40	09/18/23 14:26	7440-41-7	
Cadmium	ND	mg/kg	0.45	0.063	3.9	1	09/15/23 11:40	09/18/23 14:26	7440-43-9	
Chromium	**13.6**	mg/kg	0.89	0.40	100	1	09/15/23 11:40	09/18/23 14:26	7440-47-3	
Cobalt	**5.6**	mg/kg	0.89	0.19	470	1	09/15/23 11:40	09/18/23 14:26	7440-48-4	
Copper	**9.9**	mg/kg	0.89	0.21	310	1	09/15/23 11:40	09/18/23 14:26	7440-50-8	
Lead	**8.4**	mg/kg	0.45	0.29	100	1	09/15/23 11:40	09/18/23 14:26	7439-92-1	
Nickel	**13.8**	mg/kg	3.6	2.9	160	1	09/15/23 11:40	09/18/23 14:26	7440-02-0	
Selenium	ND	mg/kg	1.8	0.52	20	1	09/15/23 11:40	09/18/23 14:26	7782-49-2	
Silver	ND	mg/kg	0.89	0.23	39	1	09/15/23 11:40	09/18/23 14:26	7440-22-4	
Thallium	ND	mg/kg	0.45	0.34	.55	1	09/15/23 11:40	09/18/23 14:26	7440-28-0	
Vanadium	**23.2**	mg/kg	4.5	1.8	55	1	09/15/23 11:40	09/18/23 14:26	7440-62-2	
Zinc	**37.9**	mg/kg	4.5	2.3	2300	1	09/15/23 11:40	09/18/23 14:26	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (6-8) **Lab ID: 20289275012** Collected: 09/12/23 16:02 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.021**	mg/kg	0.015	0.0098		1	09/15/23 11:44	09/15/23 22:56	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 02:46	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 02:46	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 02:46	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 02:46	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 02:46	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 02:46	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 02:46	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 02:46	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 02:46	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 02:46	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 02:46	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 02:46	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 02:46	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 02:46	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 02:46	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 02:46	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 02:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 02:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 02:46	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 02:46	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 02:46	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 02:46	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 02:46	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 02:46	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 02:46	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 02:46	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 02:46	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 02:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 02:46	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 02:46	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 02:46	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 02:46	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 02:46	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 02:46	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 02:46	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 02:46	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 02:46	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 02:46	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (6-8) **Lab ID: 20289275012** Collected: 09/12/23 16:02 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 02:46	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 02:46	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 02:46	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 02:46	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 02:46	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 02:46	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 02:46	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 02:46	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 02:46	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 02:46	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 02:46	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 02:46	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 02:46	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 02:46	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 02:46	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 02:46	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 02:46	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 02:46	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 02:46	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 02:46	88-85-7	
Surrogates										
2-Fluorophenol (S)	56.0	%	12.0-120			1	09/22/23 06:23	09/23/23 02:46	367-12-4	
Phenol-d5 (S)	50.0	%	10.0-120			1	09/22/23 06:23	09/23/23 02:46	4165-62-2	
Nitrobenzene-d5 (S)	44.5	%	10.0-122			1	09/22/23 06:23	09/23/23 02:46	4165-60-0	
2-Fluorobiphenyl (S)	50.6	%	15.0-120			1	09/22/23 06:23	09/23/23 02:46	321-60-8	
2,4,6-Tribromophenol (S)	42.9	%	10.0-127			1	09/22/23 06:23	09/23/23 02:46	118-79-6	
Terphenyl-d14 (S)	64.4	%	10.0-120			1	09/22/23 06:23	09/23/23 02:46	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0084J**	mg/kg	0.0091	0.0040	1.5	1	09/14/23 10:15	09/21/23 12:40	67-64-1	B
Benzene	ND	mg/kg	0.0045	0.0013	.051	1	09/14/23 10:15	09/21/23 12:40	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0014	.92	1	09/14/23 10:15	09/21/23 12:40	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/14/23 10:15	09/21/23 12:40	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 12:40	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0091	0.0027	5	1	09/14/23 10:15	09/21/23 12:40	78-93-3	
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/14/23 10:15	09/21/23 12:40	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00097	.11	1	09/14/23 10:15	09/21/23 12:40	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/14/23 10:15	09/21/23 12:40	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (6-8) **Lab ID: 20289275012** Collected: 09/12/23 16:02 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/14/23 10:15	09/21/23 12:40	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/14/23 10:15	09/21/23 12:40	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/14/23 10:15	09/21/23 12:40	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/14/23 10:15	09/21/23 12:40	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/14/23 10:15	09/21/23 12:40	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0014	7.5	1	09/14/23 10:15	09/21/23 12:40	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0014	.035	1	09/14/23 10:15	09/21/23 12:40	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/14/23 10:15	09/21/23 12:40	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0013	.49	1	09/14/23 10:15	09/21/23 12:40	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0012	.77	1	09/14/23 10:15	09/21/23 12:40	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/14/23 10:15	09/21/23 12:40	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 12:40	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0015	.04	1	09/14/23 10:15	09/21/23 12:40	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0013	19	1	09/14/23 10:15	09/21/23 12:40	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.033	30	1	09/14/23 10:15	09/21/23 12:40	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0042	.017	1	09/14/23 10:15	09/21/23 12:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0091	0.0017	6.4	1	09/14/23 10:15	09/21/23 12:40	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/14/23 10:15	09/21/23 12:40	1634-04-4	
Styrene	ND	mg/kg	0.0045	0.0015	11	1	09/14/23 10:15	09/21/23 12:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/14/23 10:15	09/21/23 12:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/14/23 10:15	09/21/23 12:40	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/14/23 10:15	09/21/23 12:40	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/14/23 10:15	09/21/23 12:40	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0014	14	1	09/14/23 10:15	09/21/23 12:40	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/14/23 10:15	09/21/23 12:40	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0014	.058	1	09/14/23 10:15	09/21/23 12:40	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/14/23 10:15	09/21/23 12:40	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/14/23 10:15	09/21/23 12:40	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.0010	.013	1	09/14/23 10:15	09/21/23 12:40	75-01-4	
m&p-Xylene	ND	mg/kg	0.0091	0.0029	18	1	09/14/23 10:15	09/21/23 12:40	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/14/23 10:15	09/21/23 12:40	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/14/23 10:15	09/21/23 12:40	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/14/23 10:15	09/21/23 12:40	460-00-4	
Dibromofluoromethane (S)	93	%.	66-143			1	09/14/23 10:15	09/21/23 12:40	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (4-6) **Lab ID: 20289275013** Collected: 09/12/23 16:12 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 10:10		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 10:10		
Aliphatic (>C16-C35)	**2.23J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 10:10	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:17		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:17		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:17		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:17		
Surrogates										
o-Terphenyl (S)	55.0	%	40.0-140			1	09/21/23 12:25	09/23/23 22:17	84-15-1	
1-Chloro-octadecane (S)	55.3	%	40.0-140			1	09/21/23 12:25	09/23/23 10:10		
2-Fluorobiphenyl (S)	84.2	%	40.0-140			1	09/21/23 12:25	09/23/23 22:17	321-60-8	
2-Bromonaphthalene (S)	85.9	%	40.0-140			1	09/21/23 12:25	09/23/23 22:17	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3970	1680	1200000	1	09/14/23 10:15	09/14/23 17:54		
Aliphatic (>C08-C10)	ND	ug/kg	3270	1950	120000	1	09/14/23 10:15	09/14/23 17:54		
Aromatic (>C08-C10)	ND	ug/kg	3270	1340	65000	1	09/14/23 10:15	09/14/23 17:54		
Surrogates										
4-Bromofluorobenzene (S)	98	%.	63-133			1	09/14/23 10:15	09/14/23 17:54	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.1	0.32	3.1	1	09/15/23 11:40	09/18/23 14:29	7440-36-0	
Arsenic	**3.4**	mg/kg	0.71	0.34	12	1	09/15/23 11:40	09/18/23 14:29	7440-38-2	
Barium	**126**	mg/kg	14.3	0.70	550	1	09/15/23 11:40	09/18/23 14:29	7440-39-3	
Beryllium	**0.46**	mg/kg	0.36	0.052	8	1	09/15/23 11:40	09/18/23 14:29	7440-41-7	
Cadmium	ND	mg/kg	0.36	0.051	3.9	1	09/15/23 11:40	09/18/23 14:29	7440-43-9	
Chromium	**14.5**	mg/kg	0.71	0.32	100	1	09/15/23 11:40	09/18/23 14:29	7440-47-3	
Cobalt	**7.8**	mg/kg	0.71	0.15	470	1	09/15/23 11:40	09/18/23 14:29	7440-48-4	
Copper	**8.8**	mg/kg	0.71	0.17	310	1	09/15/23 11:40	09/18/23 14:29	7440-50-8	
Lead	**8.4**	mg/kg	0.36	0.23	100	1	09/15/23 11:40	09/18/23 14:29	7439-92-1	
Nickel	**13.5**	mg/kg	2.9	2.3	160	1	09/15/23 11:40	09/18/23 14:29	7440-02-0	
Selenium	ND	mg/kg	1.4	0.42	20	1	09/15/23 11:40	09/18/23 14:29	7782-49-2	
Silver	ND	mg/kg	0.71	0.18	39	1	09/15/23 11:40	09/18/23 14:29	7440-22-4	
Thallium	ND	mg/kg	0.36	0.27	.55	1	09/15/23 11:40	09/18/23 14:29	7440-28-0	
Vanadium	**24.2**	mg/kg	3.6	1.5	55	1	09/15/23 11:40	09/18/23 14:29	7440-62-2	
Zinc	**41.4**	mg/kg	3.6	1.8	2300	1	09/15/23 11:40	09/18/23 14:29	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (4-6) **Lab ID: 20289275013** Collected: 09/12/23 16:12 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.022**	mg/kg	0.016	0.011		1	09/15/23 11:44	09/15/23 22:58	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 03:08	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 03:08	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 03:08	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 03:08	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 03:08	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 03:08	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 03:08	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 03:08	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 03:08	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:08	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 03:08	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 03:08	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 03:08	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 03:08	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 03:08	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 03:08	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 03:08	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 03:08	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 03:08	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 03:08	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 03:08	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 03:08	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 03:08	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 03:08	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 03:08	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 03:08	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 03:08	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 03:08	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 03:08	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 03:08	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 03:08	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 03:08	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 03:08	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 03:08	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 03:08	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 03:08	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 03:08	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 03:08	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (4-6) **Lab ID: 20289275013** Collected: 09/12/23 16:12 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 03:08	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 03:08	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 03:08	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:08	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 03:08	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 03:08	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 03:08	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 03:08	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:08	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 03:08	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 03:08	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 03:08	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 03:08	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 03:08	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 03:08	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 03:08	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 03:08	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 03:08	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 03:08	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 03:08	88-85-7	
Surrogates										
2-Fluorophenol (S)	64.5	%	12.0-120			1	09/22/23 06:23	09/23/23 03:08	367-12-4	
Phenol-d5 (S)	58.1	%	10.0-120			1	09/22/23 06:23	09/23/23 03:08	4165-62-2	
Nitrobenzene-d5 (S)	52.7	%	10.0-122			1	09/22/23 06:23	09/23/23 03:08	4165-60-0	
2-Fluorobiphenyl (S)	60.8	%	15.0-120			1	09/22/23 06:23	09/23/23 03:08	321-60-8	
2,4,6-Tribromophenol (S)	52.1	%	10.0-127			1	09/22/23 06:23	09/23/23 03:08	118-79-6	
Terphenyl-d14 (S)	77.7	%	10.0-120			1	09/22/23 06:23	09/23/23 03:08	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.011**	mg/kg	0.0091	0.0040	1.5	1	09/14/23 10:15	09/21/23 12:59	67-64-1	B
Benzene	ND	mg/kg	0.0045	0.0013	.051	1	09/14/23 10:15	09/21/23 12:59	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0014	.92	1	09/14/23 10:15	09/21/23 12:59	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/14/23 10:15	09/21/23 12:59	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 12:59	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0091	0.0027	5	1	09/14/23 10:15	09/21/23 12:59	78-93-3	
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/14/23 10:15	09/21/23 12:59	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00097	.11	1	09/14/23 10:15	09/21/23 12:59	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/14/23 10:15	09/21/23 12:59	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (4-6) **Lab ID: 20289275013** Collected: 09/12/23 16:12 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/14/23 10:15	09/21/23 12:59	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/14/23 10:15	09/21/23 12:59	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/14/23 10:15	09/21/23 12:59	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/14/23 10:15	09/21/23 12:59	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/14/23 10:15	09/21/23 12:59	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0014	7.5	1	09/14/23 10:15	09/21/23 12:59	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0014	.035	1	09/14/23 10:15	09/21/23 12:59	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/14/23 10:15	09/21/23 12:59	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0013	.49	1	09/14/23 10:15	09/21/23 12:59	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0012	.77	1	09/14/23 10:15	09/21/23 12:59	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/14/23 10:15	09/21/23 12:59	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/14/23 10:15	09/21/23 12:59	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0015	.04	1	09/14/23 10:15	09/21/23 12:59	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0013	19	1	09/14/23 10:15	09/21/23 12:59	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.033	30	1	09/14/23 10:15	09/21/23 12:59	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0042	.017	1	09/14/23 10:15	09/21/23 12:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0091	0.0017	6.4	1	09/14/23 10:15	09/21/23 12:59	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/14/23 10:15	09/21/23 12:59	1634-04-4	
Styrene	ND	mg/kg	0.0045	0.0015	11	1	09/14/23 10:15	09/21/23 12:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/14/23 10:15	09/21/23 12:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/14/23 10:15	09/21/23 12:59	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/14/23 10:15	09/21/23 12:59	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/14/23 10:15	09/21/23 12:59	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0014	14	1	09/14/23 10:15	09/21/23 12:59	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/14/23 10:15	09/21/23 12:59	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0014	.058	1	09/14/23 10:15	09/21/23 12:59	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/14/23 10:15	09/21/23 12:59	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/14/23 10:15	09/21/23 12:59	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.0010	.013	1	09/14/23 10:15	09/21/23 12:59	75-01-4	
m&p-Xylene	ND	mg/kg	0.0091	0.0029	18	1	09/14/23 10:15	09/21/23 12:59	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/14/23 10:15	09/21/23 12:59	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 12:59	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	64-139			1	09/14/23 10:15	09/21/23 12:59	460-00-4	
Dibromofluoromethane (S)	95	%.	66-143			1	09/14/23 10:15	09/21/23 12:59	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (14-16) **Lab ID: 20289275014** Collected: 09/12/23 15:52 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 10:34		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 10:34		
Aliphatic (>C16-C35)	**2.15J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 10:34	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:42		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:42		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:42		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 22:42		
Surrogates										
o-Terphenyl (S)	74.8	%	40.0-140			1	09/21/23 12:25	09/23/23 22:42	84-15-1	
1-Chloro-octadecane (S)	72.7	%	40.0-140			1	09/21/23 12:25	09/23/23 10:34		
2-Fluorobiphenyl (S)	89.9	%	40.0-140			1	09/21/23 12:25	09/23/23 22:42	321-60-8	
2-Bromonaphthalene (S)	92.4	%	40.0-140			1	09/21/23 12:25	09/23/23 22:42	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4530	1920	1200000	1	09/14/23 10:15	09/14/23 18:17		
Aliphatic (>C08-C10)	ND	ug/kg	3730	2220	120000	1	09/14/23 10:15	09/14/23 18:17		
Aromatic (>C08-C10)	ND	ug/kg	3730	1530	65000	1	09/14/23 10:15	09/14/23 18:17		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1	09/14/23 10:15	09/14/23 18:17	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.0	0.30	3.1	1	09/15/23 11:40	09/18/23 14:33	7440-36-0	
Arsenic	**3.0**	mg/kg	0.67	0.32	12	1	09/15/23 11:40	09/18/23 14:33	7440-38-2	
Barium	**115**	mg/kg	13.3	0.65	550	1	09/15/23 11:40	09/18/23 14:33	7440-39-3	
Beryllium	**0.38**	mg/kg	0.33	0.049	8	1	09/15/23 11:40	09/18/23 14:33	7440-41-7	
Cadmium	ND	mg/kg	0.33	0.047	3.9	1	09/15/23 11:40	09/18/23 14:33	7440-43-9	
Chromium	**11.8**	mg/kg	0.67	0.30	100	1	09/15/23 11:40	09/18/23 14:33	7440-47-3	
Cobalt	**5.7**	mg/kg	0.67	0.14	470	1	09/15/23 11:40	09/18/23 14:33	7440-48-4	
Copper	**9.9**	mg/kg	0.67	0.16	310	1	09/15/23 11:40	09/18/23 14:33	7440-50-8	
Lead	**7.6**	mg/kg	0.33	0.21	100	1	09/15/23 11:40	09/18/23 14:33	7439-92-1	
Nickel	**13.6**	mg/kg	2.7	2.1	160	1	09/15/23 11:40	09/18/23 14:33	7440-02-0	
Selenium	ND	mg/kg	1.3	0.39	20	1	09/15/23 11:40	09/18/23 14:33	7782-49-2	
Silver	ND	mg/kg	0.67	0.17	39	1	09/15/23 11:40	09/18/23 14:33	7440-22-4	
Thallium	**0.26J**	mg/kg	0.33	0.26	.55	1	09/15/23 11:40	09/18/23 14:33	7440-28-0	
Vanadium	**20.1**	mg/kg	3.3	1.4	55	1	09/15/23 11:40	09/18/23 14:33	7440-62-2	
Zinc	**35.7**	mg/kg	3.3	1.7	2300	1	09/15/23 11:40	09/18/23 14:33	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (14-16) **Lab ID: 20289275014** Collected: 09/12/23 15:52 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.017**	mg/kg	0.014	0.0093		1	09/15/23 11:44	09/15/23 23:00	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 08:59	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 08:59	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 08:59	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 08:59	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 08:59	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 08:59	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 08:59	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 08:59	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 08:59	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 08:59	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 08:59	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 08:59	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 08:59	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 08:59	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 08:59	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 08:59	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 08:59	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 08:59	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 08:59	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 08:59	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 08:59	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 08:59	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 08:59	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 08:59	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 08:59	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 08:59	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 08:59	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 08:59	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 08:59	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 08:59	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 08:59	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 08:59	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 08:59	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 08:59	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 08:59	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 08:59	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 08:59	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 08:59	621-64-7	

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (14-16) **Lab ID: 20289275014** Collected: 09/12/23 15:52 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 08:59	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 08:59	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 08:59	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 08:59	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 08:59	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 08:59	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 08:59	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 08:59	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 08:59	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 08:59	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 08:59	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 08:59	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 08:59	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 08:59	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 08:59	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 08:59	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 08:59	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 08:59	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 08:59	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 08:59	88-85-7	
Surrogates										
2-Fluorophenol (S)	52.5	%	12.0-120			1	09/22/23 06:23	09/23/23 08:59	367-12-4	
Phenol-d5 (S)	47.5	%	10.0-120			1	09/22/23 06:23	09/23/23 08:59	4165-62-2	
Nitrobenzene-d5 (S)	41.8	%	10.0-122			1	09/22/23 06:23	09/23/23 08:59	4165-60-0	
2-Fluorobiphenyl (S)	48.0	%	15.0-120			1	09/22/23 06:23	09/23/23 08:59	321-60-8	
2,4,6-Tribromophenol (S)	44.9	%	10.0-127			1	09/22/23 06:23	09/23/23 08:59	118-79-6	
Terphenyl-d14 (S)	55.4	%	10.0-120			1	09/22/23 06:23	09/23/23 08:59	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.015**	mg/kg	0.010	0.0044	1.5	1	09/14/23 10:15	09/21/23 13:18	67-64-1	B
Benzene	ND	mg/kg	0.0050	0.0014	.051	1	09/14/23 10:15	09/21/23 13:18	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0050	0.0015	.92	1	09/14/23 10:15	09/21/23 13:18	75-27-4	
Bromoform	ND	mg/kg	0.0050	0.0016	1.8	1	09/14/23 10:15	09/21/23 13:18	75-25-2	
Bromomethane	ND	mg/kg	0.0050	0.0014	.04	1	09/14/23 10:15	09/21/23 13:18	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.010	0.0029	5	1	09/14/23 10:15	09/21/23 13:18	78-93-3	
Carbon disulfide	ND	mg/kg	0.0050	0.0015	11	1	09/14/23 10:15	09/21/23 13:18	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	.11	1	09/14/23 10:15	09/21/23 13:18	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	0.0015	3	1	09/14/23 10:15	09/21/23 13:18	108-90-7	

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-8 (14-16) **Lab ID: 20289275014** Collected: 09/12/23 15:52 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0050	0.0012	.035	1	09/14/23 10:15	09/21/23 13:18	75-00-3	
Chloroform	ND	mg/kg	0.0050	0.0014	.044	1	09/14/23 10:15	09/21/23 13:18	67-66-3	
Chloromethane	ND	mg/kg	0.0050	0.0012	.1	1	09/14/23 10:15	09/21/23 13:18	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0018	.01	1	09/14/23 10:15	09/21/23 13:18	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0050	0.0016	1	1	09/14/23 10:15	09/21/23 13:18	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0015	7.5	1	09/14/23 10:15	09/21/23 13:18	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0015	.035	1	09/14/23 10:15	09/21/23 13:18	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0014	.085	1	09/14/23 10:15	09/21/23 13:18	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	.49	1	09/14/23 10:15	09/21/23 13:18	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	.77	1	09/14/23 10:15	09/21/23 13:18	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0015	.042	1	09/14/23 10:15	09/21/23 13:18	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0015	.04	1	09/14/23 10:15	09/21/23 13:18	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0016	.04	1	09/14/23 10:15	09/21/23 13:18	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	0.0014	19	1	09/14/23 10:15	09/21/23 13:18	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.037	30	1	09/14/23 10:15	09/21/23 13:18	78-83-1	
Methylene Chloride	ND	mg/kg	0.0050	0.0046	.017	1	09/14/23 10:15	09/21/23 13:18	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.010	0.0019	6.4	1	09/14/23 10:15	09/21/23 13:18	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	0.0014	.077	1	09/14/23 10:15	09/21/23 13:18	1634-04-4	
Styrene	ND	mg/kg	0.0050	0.0016	11	1	09/14/23 10:15	09/21/23 13:18	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0015	.046	1	09/14/23 10:15	09/21/23 13:18	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0019	.006	1	09/14/23 10:15	09/21/23 13:18	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	0.0014	.18	1	09/14/23 10:15	09/21/23 13:18	127-18-4	
Toluene	ND	mg/kg	0.0050	0.0021	20	1	09/14/23 10:15	09/21/23 13:18	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	14	1	09/14/23 10:15	09/21/23 13:18	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0013	4	1	09/14/23 10:15	09/21/23 13:18	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0015	.058	1	09/14/23 10:15	09/21/23 13:18	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	0.0014	.073	1	09/14/23 10:15	09/21/23 13:18	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0012	37	1	09/14/23 10:15	09/21/23 13:18	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/14/23 10:15	09/21/23 13:18	75-01-4	
m&p-Xylene	ND	mg/kg	0.010	0.0032	18	1	09/14/23 10:15	09/21/23 13:18	179601-23-1	
o-Xylene	ND	mg/kg	0.0050	0.0016	18	1	09/14/23 10:15	09/21/23 13:18	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 13:18	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/14/23 10:15	09/21/23 13:18	460-00-4	
Dibromofluoromethane (S)	94	%.	66-143			1	09/14/23 10:15	09/21/23 13:18	1868-53-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (7-9) **Lab ID: 20289275015** Collected: 09/12/23 10:21 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 10:58		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 10:58		
Aliphatic (>C16-C35)	**2.13J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 10:58	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:06		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:06		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:06		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:06		
Surrogates										
o-Terphenyl (S)	60.4	%	40.0-140			1	09/21/23 12:25	09/23/23 23:06	84-15-1	
1-Chloro-octadecane (S)	60.4	%	40.0-140			1	09/21/23 12:25	09/23/23 10:58		
2-Fluorobiphenyl (S)	86.3	%	40.0-140			1	09/21/23 12:25	09/23/23 23:06	321-60-8	
2-Bromonaphthalene (S)	88.3	%	40.0-140			1	09/21/23 12:25	09/23/23 23:06	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.1**	mg/kg	0.89	0.43	12	1	09/15/23 11:40	09/18/23 14:37	7440-38-2	
Barium	**107**	mg/kg	17.9	0.88	550	1	09/15/23 11:40	09/18/23 14:37	7440-39-3	
Cadmium	ND	mg/kg	0.45	0.063	3.9	1	09/15/23 11:40	09/18/23 14:37	7440-43-9	
Chromium	**12.8**	mg/kg	0.89	0.40	100	1	09/15/23 11:40	09/18/23 14:37	7440-47-3	
Lead	**8.4**	mg/kg	0.45	0.29	100	1	09/15/23 11:40	09/18/23 14:37	7439-92-1	
Selenium	ND	mg/kg	1.8	0.52	20	1	09/15/23 11:40	09/18/23 14:37	7782-49-2	
Silver	ND	mg/kg	0.89	0.23	39	1	09/15/23 11:40	09/18/23 14:37	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.017J**	mg/kg	0.019	0.013		1	09/15/23 11:44	09/15/23 23:07	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 15:09	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 15:09	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 15:09	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 15:09	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 15:09	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 15:09	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 15:09	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 15:09	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 15:09	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 15:09	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 15:09	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 15:09	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (7-9) **Lab ID: 20289275015** Collected: 09/12/23 10:21 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 15:09	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 15:09	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 15:09	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 15:09	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 15:09	91-58-7	
Surrogates										
Terphenyl-d14 (S)	58.1	%	23.0-120			1	09/22/23 06:58	09/22/23 15:09	1718-51-0	
Nitrobenzene-d5 (S)	83.2	%	14.0-149			1	09/22/23 06:58	09/22/23 15:09	4165-60-0	
2-Fluorobiphenyl (S)	65.8	%	34.0-125			1	09/22/23 06:58	09/22/23 15:09	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0091J**	mg/kg	0.0093	0.0041	1.5	1	09/14/23 10:15	09/21/23 13:37	67-64-1	B
Benzene	ND	mg/kg	0.0046	0.0013	.051	1	09/14/23 10:15	09/21/23 13:37	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0046	0.0014	.92	1	09/14/23 10:15	09/21/23 13:37	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0015	1.8	1	09/14/23 10:15	09/21/23 13:37	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0013	.04	1	09/14/23 10:15	09/21/23 13:37	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0093	0.0027	5	1	09/14/23 10:15	09/21/23 13:37	78-93-3	
Carbon disulfide	ND	mg/kg	0.0046	0.0014	11	1	09/14/23 10:15	09/21/23 13:37	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.00099	.11	1	09/14/23 10:15	09/21/23 13:37	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0014	3	1	09/14/23 10:15	09/21/23 13:37	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0012	.035	1	09/14/23 10:15	09/21/23 13:37	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0013	.044	1	09/14/23 10:15	09/21/23 13:37	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0011	.1	1	09/14/23 10:15	09/21/23 13:37	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0046	0.0017	.01	1	09/14/23 10:15	09/21/23 13:37	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0046	0.0015	1	1	09/14/23 10:15	09/21/23 13:37	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0014	7.5	1	09/14/23 10:15	09/21/23 13:37	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0014	.035	1	09/14/23 10:15	09/21/23 13:37	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0013	.085	1	09/14/23 10:15	09/21/23 13:37	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0013	.49	1	09/14/23 10:15	09/21/23 13:37	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0012	.77	1	09/14/23 10:15	09/21/23 13:37	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0014	.042	1	09/14/23 10:15	09/21/23 13:37	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0014	.04	1	09/14/23 10:15	09/21/23 13:37	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0015	.04	1	09/14/23 10:15	09/21/23 13:37	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0013	19	1	09/14/23 10:15	09/21/23 13:37	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.034	30	1	09/14/23 10:15	09/21/23 13:37	78-83-1	
Methylene Chloride	ND	mg/kg	0.0046	0.0043	.017	1	09/14/23 10:15	09/21/23 13:37	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0093	0.0017	6.4	1	09/14/23 10:15	09/21/23 13:37	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	.077	1	09/14/23 10:15	09/21/23 13:37	1634-04-4	
Styrene	ND	mg/kg	0.0046	0.0015	11	1	09/14/23 10:15	09/21/23 13:37	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0014	.046	1	09/14/23 10:15	09/21/23 13:37	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-7 (7-9) **Lab ID: 20289275015** Collected: 09/12/23 10:21 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0018	.006	1	09/14/23 10:15	09/21/23 13:37	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0013	.18	1	09/14/23 10:15	09/21/23 13:37	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0020	20	1	09/14/23 10:15	09/21/23 13:37	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0014	14	1	09/14/23 10:15	09/21/23 13:37	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0012	4	1	09/14/23 10:15	09/21/23 13:37	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0014	.058	1	09/14/23 10:15	09/21/23 13:37	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0013	.073	1	09/14/23 10:15	09/21/23 13:37	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0011	37	1	09/14/23 10:15	09/21/23 13:37	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0010	.013	1	09/14/23 10:15	09/21/23 13:37	75-01-4	
m&p-Xylene	ND	mg/kg	0.0093	0.0030	18	1	09/14/23 10:15	09/21/23 13:37	179601-23-1	
o-Xylene	ND	mg/kg	0.0046	0.0014	18	1	09/14/23 10:15	09/21/23 13:37	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 13:37	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/14/23 10:15	09/21/23 13:37	460-00-4	
Dibromofluoromethane (S)	93	%.	66-143			1	09/14/23 10:15	09/21/23 13:37	1868-53-7	

Sample: B-4 (14-16) **Lab ID: 20289275016** Collected: 09/12/23 14:49 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 11:22		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 11:22		
Aliphatic (>C16-C35)	**2.44J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 11:22	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:30		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:30		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:30		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:30		
Surrogates										
o-Terphenyl (S)	68.6	%	40.0-140			1	09/21/23 12:25	09/23/23 23:30	84-15-1	
1-Chloro-octadecane (S)	67.1	%	40.0-140			1	09/21/23 12:25	09/23/23 11:22		
2-Fluorobiphenyl (S)	88.2	%	40.0-140			1	09/21/23 12:25	09/23/23 23:30	321-60-8	
2-Bromonaphthalene (S)	90.2	%	40.0-140			1	09/21/23 12:25	09/23/23 23:30	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.2	0.34	3.1	1	09/15/23 11:40	09/18/23 14:41	7440-36-0	
Arsenic	**3.3**	mg/kg	0.75	0.36	12	1	09/15/23 11:40	09/18/23 14:41	7440-38-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (14-16) **Lab ID: 20289275016** Collected: 09/12/23 14:49 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans								
Barium	**86.4**	mg/kg	14.9	0.73	550	1	09/15/23 11:40	09/18/23 14:41	7440-39-3	
Beryllium	**0.28J**	mg/kg	0.37	0.054	8	1	09/15/23 11:40	09/18/23 14:41	7440-41-7	
Cadmium	ND	mg/kg	0.37	0.053	3.9	1	09/15/23 11:40	09/18/23 14:41	7440-43-9	
Chromium	**9.8**	mg/kg	0.75	0.34	100	1	09/15/23 11:40	09/18/23 14:41	7440-47-3	
Cobalt	**4.6**	mg/kg	0.75	0.16	470	1	09/15/23 11:40	09/18/23 14:41	7440-48-4	
Copper	**7.0**	mg/kg	0.75	0.18	310	1	09/15/23 11:40	09/18/23 14:41	7440-50-8	
Lead	**5.8**	mg/kg	0.37	0.24	100	1	09/15/23 11:40	09/18/23 14:41	7439-92-1	
Nickel	**11.1**	mg/kg	3.0	2.4	160	1	09/15/23 11:40	09/18/23 14:41	7440-02-0	
Selenium	ND	mg/kg	1.5	0.44	20	1	09/15/23 11:40	09/18/23 14:41	7782-49-2	
Silver	ND	mg/kg	0.75	0.19	39	1	09/15/23 11:40	09/18/23 14:41	7440-22-4	
Thallium	ND	mg/kg	0.37	0.29	.55	1	09/15/23 11:40	09/18/23 14:41	7440-28-0	
Vanadium	**16.3**	mg/kg	3.7	1.5	55	1	09/15/23 11:40	09/18/23 14:41	7440-62-2	
Zinc	**28.9**	mg/kg	3.7	1.9	2300	1	09/15/23 11:40	09/18/23 14:41	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.013J**	mg/kg	0.016	0.010		1	09/15/23 11:44	09/15/23 23:10	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 04:14	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 04:14	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 04:14	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 04:14	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 04:14	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 04:14	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 04:14	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 04:14	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 04:14	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:14	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 04:14	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 04:14	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 04:14	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 04:14	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 04:14	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 04:14	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 04:14	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 04:14	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 04:14	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 04:14	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 04:14	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 04:14	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 04:14	206-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (14-16) **Lab ID: 20289275016** Collected: 09/12/23 14:49 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 04:14	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 04:14	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 04:14	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 04:14	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 04:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 04:14	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 04:14	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 04:14	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 04:14	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 04:14	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 04:14	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 04:14	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 04:14	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 04:14	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 04:14	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 04:14	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 04:14	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 04:14	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:14	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 04:14	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 04:14	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 04:14	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 04:14	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:14	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 04:14	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 04:14	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 04:14	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 04:14	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 04:14	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 04:14	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 04:14	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 04:14	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 04:14	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 04:14	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 04:14	88-85-7	
Surrogates										
2-Fluorophenol (S)	49.4	%	12.0-120			1	09/22/23 06:23	09/23/23 04:14	367-12-4	
Phenol-d5 (S)	44.8	%	10.0-120			1	09/22/23 06:23	09/23/23 04:14	4165-62-2	
Nitrobenzene-d5 (S)	41.4	%	10.0-122			1	09/22/23 06:23	09/23/23 04:14	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (14-16) **Lab ID: 20289275016** Collected: 09/12/23 14:49 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
2-Fluorobiphenyl (S)	44.8	%	15.0-120			1	09/22/23 06:23	09/23/23 04:14	321-60-8	
2,4,6-Tribromophenol (S)	28.7	%	10.0-127			1	09/22/23 06:23	09/23/23 04:14	118-79-6	
Terphenyl-d14 (S)	54.2	%	10.0-120			1	09/22/23 06:23	09/23/23 04:14	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.020**	mg/kg	0.010	0.0045	1.5	1	09/14/23 10:15	09/21/23 13:56	67-64-1	B
Benzene	ND	mg/kg	0.0051	0.0014	.051	1	09/14/23 10:15	09/21/23 13:56	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0051	0.0015	.92	1	09/14/23 10:15	09/21/23 13:56	75-27-4	
Bromoform	ND	mg/kg	0.0051	0.0017	1.8	1	09/14/23 10:15	09/21/23 13:56	75-25-2	
Bromomethane	ND	mg/kg	0.0051	0.0015	.04	1	09/14/23 10:15	09/21/23 13:56	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.010	0.0030	5	1	09/14/23 10:15	09/21/23 13:56	78-93-3	
Carbon disulfide	ND	mg/kg	0.0051	0.0015	11	1	09/14/23 10:15	09/21/23 13:56	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0051	0.0011	.11	1	09/14/23 10:15	09/21/23 13:56	56-23-5	
Chlorobenzene	ND	mg/kg	0.0051	0.0015	3	1	09/14/23 10:15	09/21/23 13:56	108-90-7	
Chloroethane	ND	mg/kg	0.0051	0.0013	.035	1	09/14/23 10:15	09/21/23 13:56	75-00-3	
Chloroform	ND	mg/kg	0.0051	0.0014	.044	1	09/14/23 10:15	09/21/23 13:56	67-66-3	
Chloromethane	ND	mg/kg	0.0051	0.0012	.1	1	09/14/23 10:15	09/21/23 13:56	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0051	0.0018	.01	1	09/14/23 10:15	09/21/23 13:56	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0051	0.0016	1	1	09/14/23 10:15	09/21/23 13:56	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0051	0.0015	7.5	1	09/14/23 10:15	09/21/23 13:56	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0051	0.0015	.035	1	09/14/23 10:15	09/21/23 13:56	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0051	0.0014	.085	1	09/14/23 10:15	09/21/23 13:56	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0014	.49	1	09/14/23 10:15	09/21/23 13:56	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0013	.77	1	09/14/23 10:15	09/21/23 13:56	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0051	0.0016	.042	1	09/14/23 10:15	09/21/23 13:56	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0015	.04	1	09/14/23 10:15	09/21/23 13:56	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0016	.04	1	09/14/23 10:15	09/21/23 13:56	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0051	0.0014	19	1	09/14/23 10:15	09/21/23 13:56	100-41-4	
Isobutanol	ND	mg/kg	0.26	0.037	30	1	09/14/23 10:15	09/21/23 13:56	78-83-1	
Methylene Chloride	ND	mg/kg	0.0051	0.0047	.017	1	09/14/23 10:15	09/21/23 13:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.010	0.0019	6.4	1	09/14/23 10:15	09/21/23 13:56	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0051	0.0015	.077	1	09/14/23 10:15	09/21/23 13:56	1634-04-4	
Styrene	ND	mg/kg	0.0051	0.0016	11	1	09/14/23 10:15	09/21/23 13:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0015	.046	1	09/14/23 10:15	09/21/23 13:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0020	.006	1	09/14/23 10:15	09/21/23 13:56	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0051	0.0015	.18	1	09/14/23 10:15	09/21/23 13:56	127-18-4	
Toluene	ND	mg/kg	0.0051	0.0022	20	1	09/14/23 10:15	09/21/23 13:56	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0051	0.0015	14	1	09/14/23 10:15	09/21/23 13:56	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0051	0.0013	4	1	09/14/23 10:15	09/21/23 13:56	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Sample: B-4 (14-16) **Lab ID: 20289275016** Collected: 09/12/23 14:49 Received: 09/13/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,1,2-Trichloroethane	ND	mg/kg	0.0051	0.0015	.058	1	09/14/23 10:15	09/21/23 13:56	79-00-5	
Trichloroethene	ND	mg/kg	0.0051	0.0015	.073	1	09/14/23 10:15	09/21/23 13:56	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0051	0.0013	37	1	09/14/23 10:15	09/21/23 13:56	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/14/23 10:15	09/21/23 13:56	75-01-4	
m&p-Xylene	ND	mg/kg	0.010	0.0033	18	1	09/14/23 10:15	09/21/23 13:56	179601-23-1	
o-Xylene	ND	mg/kg	0.0051	0.0016	18	1	09/14/23 10:15	09/21/23 13:56	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/14/23 10:15	09/21/23 13:56	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	64-139			1	09/14/23 10:15	09/21/23 13:56	460-00-4	
Dibromofluoromethane (S)	91	%.	66-143			1	09/14/23 10:15	09/21/23 13:56	1868-53-7	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 2135760
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289275006, 20289275007

METHOD BLANK: R3975701-1 Matrix: Water
Associated Lab Samples: 20289275006, 20289275007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	09/20/23 19:31	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/20/23 19:31	
Aliphatic (>C16-C35)	mg/L	0.0580J	0.150	0.0500	09/20/23 19:31	J
1-Chloro-octadecane (S)	%	101	40.0-140		09/20/23 19:31	

METHOD BLANK: R3975701-4 Matrix: Water
Associated Lab Samples: 20289275006, 20289275007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	09/20/23 21:03	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/20/23 21:03	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	09/20/23 21:03	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	09/20/23 21:03	
o-Terphenyl (S)	%	95.8	40.0-140		09/20/23 21:03	
2-Fluorobiphenyl (S)	%	97.1	40.0-140		09/20/23 21:03	
2-Bromonaphthalene (S)	%	98.5	40.0-140		09/20/23 21:03	

LABORATORY CONTROL SAMPLE & LCSD: R3975701-2 R3975701-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0750	0.0680	75.0	68.0	40.0-140	9.80	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.190	0.190	95.0	95.0	40.0-140	0.00	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.820	0.830	100	100	40.0-140	1.20	50	
1-Chloro-octadecane (S)	%				89.6	93.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3975701-5 R3975701-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0830	0.0760	83.0	76.0	40.0-140	8.80	50	
Aromatic (>C12-C16)	mg/L	0.300	0.280	0.260	93.0	87.0	40.0-140	7.40	50	
Aromatic (>C16-C21)	mg/L	0.500	0.520	0.480	100	96.0	40.0-140	8.00	50	
Aromatic (>C21-C35)	mg/L	0.800	0.820	0.700	100	88.0	40.0-140	16.0	50	
o-Terphenyl (S)	%				93.6	88.0	40.0-140			
2-Fluorobiphenyl (S)	%				104	101	40.0-140			
2-Bromonaphthalene (S)	%				106	103	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 2136882
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012

METHOD BLANK: R3976778-1 Matrix: Solid
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
o-Terphenyl (S)	%	88.2	40.0-140		09/22/23 01:41	
2-Fluorobiphenyl (S)	%	94.4	40.0-140		09/22/23 01:41	
2-Bromonaphthalene (S)	%	92.3	40.0-140		09/22/23 01:41	

METHOD BLANK: R3976778-4 Matrix: Solid
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/22/23 02:48	
Aliphatic (>C12-C16)	mg/kg	1.68J	25.0	1.68	09/22/23 02:48	J
Aliphatic (>C16-C35)	mg/kg	3.45J	100	1.68	09/22/23 02:48	J
1-Chloro-octadecane (S)	%	94.9	40.0-140		09/22/23 02:48	

LABORATORY CONTROL SAMPLE & LCSD: R3976778-2 R3976778-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	5.89	5.87	88.6	88.3	40.0-140	0.340	50	
Aromatic (>C12-C16)	mg/kg	20.0	18.4	18.2	92.0	91.0	40.0-140	1.09	50	
Aromatic (>C16-C21)	mg/kg	33.3	31.6	31.1	94.9	93.4	40.0-140	1.59	50	
Aromatic (>C21-C35)	mg/kg	53.2	43.0	41.2	80.8	77.4	40.0-140	4.28	50	
o-Terphenyl (S)	%				87.0	86.7	40.0-140			
2-Fluorobiphenyl (S)	%				96.1	97.0	40.0-140			
2-Bromonaphthalene (S)	%				96.2	97.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3976778-5 R3976778-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	6.81	6.61	102	99.4	40.0-140	2.98	50	
Aliphatic (>C12-C16)	mg/kg	13.3	14.1	13.7	106	103	40.0-140	2.88	50	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

LABORATORY CONTROL SAMPLE & LCSD: R3976778-5 R3976778-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C16-C35)	mg/kg	53.2	53.5	52.3	101	98.3	40.0-140	2.27	50	
1-Chloro-octadecane (S)	%				93.8	93.2	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976778-7 R3976778-8

Parameter	Units	20289275001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.65	6.50	5.63	5.84	84.7	89.8	40.0-140	3.66	50	
Aromatic (>C12-C16)	mg/kg	ND	20.0	19.5	17.8	18.4	89.0	94.4	40.0-140	3.31	50	
Aromatic (>C16-C21)	mg/kg	ND	33.3	32.5	30.6	32.6	91.9	100	40.0-140	6.33	50	
Aromatic (>C21-C35)	mg/kg	ND	53.2	52.0	45.1	50.4	84.8	96.9	40.0-140	11.1	50	
o-Terphenyl (S)	%						85.3	91.3	40.0-140			
2-Fluorobiphenyl (S)	%						93.8	101	40.0-140			
2-Bromonaphthalene (S)	%						93.4	103	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976778-9 R3976778-10

Parameter	Units	20289275001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.65	6.50	6.82	6.40	103	98.5	40.0-140	6.35	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.3	13.0	14.6	13.5	110	104	40.0-140	7.83	50	
Aliphatic (>C16-C35)	mg/kg	3.15	53.2	52.0	56.3	52.8	99.9	95.5	40.0-140	6.42	50	
1-Chloro-octadecane (S)	%						100	94.2	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 2137358
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289275013, 20289275014, 20289275015, 20289275016

METHOD BLANK: R3976996-1 Matrix: Solid
Associated Lab Samples: 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/23/23 08:34	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/23/23 08:34	
Aliphatic (>C16-C35)	mg/kg	2.44J	100	1.68	09/23/23 08:34	J
1-Chloro-octadecane (S)	%	59.2	40.0-140		09/23/23 08:34	

METHOD BLANK: R3976996-6 Matrix: Solid
Associated Lab Samples: 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
o-Terphenyl (S)	%	71.4	40.0-140		09/23/23 20:41	
2-Fluorobiphenyl (S)	%	86.3	40.0-140		09/23/23 20:41	
2-Bromonaphthalene (S)	%	86.8	40.0-140		09/23/23 20:41	

LABORATORY CONTROL SAMPLE & LCSD: R3976996-2 R3976996-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	4.92	5.07	74.0	76.2	40.0-140	3.00	50	
Aliphatic (>C12-C16)	mg/kg	13.3	9.86	10.5	74.1	78.9	40.0-140	6.29	50	
Aliphatic (>C16-C35)	mg/kg	53.2	41.0	43.6	77.1	82.0	40.0-140	6.15	50	
1-Chloro-octadecane (S)	%				69.7	74.2	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3976996-7 R3976996-8

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	4.83	4.87	72.6	73.2	40.0-140	0.825	50	
Aromatic (>C12-C16)	mg/kg	20.0	13.2	13.6	66.0	68.0	40.0-140	2.99	50	
Aromatic (>C16-C21)	mg/kg	33.3	24.9	25.9	74.8	77.8	40.0-140	3.94	50	
Aromatic (>C21-C35)	mg/kg	53.2	39.0	40.8	73.3	76.7	40.0-140	4.51	50	
o-Terphenyl (S)	%				73.5	76.1	40.0-140			
2-Fluorobiphenyl (S)	%				86.8	83.1	40.0-140			
2-Bromonaphthalene (S)	%				88.3	84.4	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976996-4 R3976996-5

Parameter	Units	L1657152-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.55	6.50	4.70	4.60	71.8	70.8	40.0-140	2.15	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.1	13.0	9.77	8.98	74.6	69.1	40.0-140	8.43	50	
Aliphatic (>C16-C35)	mg/kg	2.24	52.4	52.0	40.7	36.8	73.4	66.5	40.0-140	10.1	50	
1-Chloro-octadecane (S)	%						69.1	61.7	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976996-9 R3976996-10

Parameter	Units	L1657152-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.55	6.50	4.68	4.37	71.5	67.2	40.0-140	6.85	50	
Aromatic (>C12-C16)	mg/kg	ND	19.7	19.5	13.3	11.8	67.5	60.5	40.0-140	12.0	50	
Aromatic (>C16-C21)	mg/kg	ND	32.8	32.5	26.1	22.4	79.6	68.9	40.0-140	15.3	50	
Aromatic (>C21-C35)	mg/kg	ND	52.4	52.0	40.5	34.6	77.3	66.5	40.0-140	15.7	50	
o-Terphenyl (S)	%						78.6	67.3	40.0-140			
2-Fluorobiphenyl (S)	%						88.4	86.0	40.0-140			
2-Bromonaphthalene (S)	%						89.9	87.5	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 299051
QC Batch Method: EPA 5035
Analysis Method: MADEP VPH Mod
Analysis Description: 8015 Solid VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014

METHOD BLANK: 1432229 Matrix: Solid
Associated Lab Samples: 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/kg	ND	3500	2080	09/14/23 15:15	
Aliphatic (C06-C08)	ug/kg	ND	4250	1800	09/14/23 15:15	
Aromatic (>C08-C10)	ug/kg	ND	3500	1430	09/14/23 15:15	
4-Bromofluorobenzene (S)	%.	99	63-133		09/14/23 15:15	

LABORATORY CONTROL SAMPLE: 1432230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/kg	14000	12800	92	72-127	
Aliphatic (C06-C08)	ug/kg	14000	13100	94	75-141	
Aromatic (>C08-C10)	ug/kg	14000	13300	95	76-136	
4-Bromofluorobenzene (S)	%.			99	63-133	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 299279
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289275006, 20289275007

METHOD BLANK: 1433414 Matrix: Water
Associated Lab Samples: 20289275006, 20289275007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000018	09/15/23 22:22	

LABORATORY CONTROL SAMPLE: 1433415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.0011	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433416 1433417

Parameter	Units	20289275006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.001	0.001	0.0011	0.0011	106	106	75-125	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 299167 | Analysis Method: EPA 7471
QC Batch Method: EPA 7471 | Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

METHOD BLANK: 1432791 | Matrix: Solid
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	0.013	09/15/23 22:20	

LABORATORY CONTROL SAMPLE: 1432792

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.1	0.10	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1432793 1432794

Parameter	Units	20289275001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.025	0.088	0.083	0.11	0.12	96	112	75-125	8	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 299171
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

METHOD BLANK: 1432798 Matrix: Solid
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/kg	ND	3.0	0.45	09/18/23 12:33	
Arsenic	mg/kg	ND	1.0	0.48	09/18/23 12:33	
Barium	mg/kg	ND	20.0	0.98	09/18/23 12:33	
Beryllium	mg/kg	ND	0.50	0.073	09/18/23 12:33	
Cadmium	mg/kg	ND	0.50	0.071	09/18/23 12:33	
Chromium	mg/kg	ND	1.0	0.45	09/18/23 12:33	
Cobalt	mg/kg	ND	1.0	0.21	09/18/23 12:33	
Copper	mg/kg	ND	1.0	0.24	09/18/23 12:33	
Lead	mg/kg	ND	0.50	0.32	09/18/23 12:33	
Nickel	mg/kg	ND	4.0	3.2	09/18/23 12:33	
Selenium	mg/kg	0.76J	2.0	0.59	09/18/23 12:33	
Silver	mg/kg	ND	1.0	0.26	09/18/23 12:33	
Thallium	mg/kg	ND	0.50	0.38	09/18/23 12:33	
Vanadium	mg/kg	ND	5.0	2.0	09/18/23 12:33	
Zinc	mg/kg	ND	5.0	2.6	09/18/23 12:33	

LABORATORY CONTROL SAMPLE: 1432799

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	100	99.7	100	85-115	
Arsenic	mg/kg	100	99.4	99	84-115	
Barium	mg/kg	100	106	106	85-115	
Beryllium	mg/kg	100	106	106	85-115	
Cadmium	mg/kg	100	103	103	85-115	
Chromium	mg/kg	100	106	106	85-115	
Cobalt	mg/kg	100	104	104	85-115	
Copper	mg/kg	100	106	106	85-115	
Lead	mg/kg	100	104	104	85-115	
Nickel	mg/kg	100	104	104	85-115	
Selenium	mg/kg	100	88.5	88	77-115	
Silver	mg/kg	50	51.1	102	85-115	
Thallium	mg/kg	50	51.0	102	79-115	
Vanadium	mg/kg	100	106	106	85-115	
Zinc	mg/kg	100	99.6	100	85-115	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1432800 1432801

Parameter	Units	20289275001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	96.2	87.7	45.3	36.6	47	42	80-120	21	20	M1,R1
Arsenic	mg/kg	2.3	96.2	87.7	96.7	85.0	98	94	80-120	13	20	
Barium	mg/kg	139	96.2	87.7	265	251	131	128	80-120	5	20	M1
Beryllium	mg/kg	0.50J	96.2	87.7	103	90.4	107	102	80-120	13	20	
Cadmium	mg/kg	ND	96.2	87.7	95.6	83.5	99	95	80-120	13	20	
Chromium	mg/kg	15.1	96.2	87.7	120	106	109	103	80-120	13	20	
Cobalt	mg/kg	6.7	96.2	87.7	104	92.7	101	98	80-120	12	20	
Copper	mg/kg	11.1	96.2	87.7	111	98.2	104	99	80-120	12	20	
Lead	mg/kg	8.9	96.2	87.7	105	93.3	100	96	80-120	12	20	
Nickel	mg/kg	16.0	96.2	87.7	115	102	103	98	80-120	11	20	
Selenium	mg/kg	ND	96.2	87.7	82.9	72.9	86	83	80-120	13	20	
Silver	mg/kg	ND	48.1	43.9	48.7	42.6	101	97	80-120	13	20	
Thallium	mg/kg	ND	48.1	43.9	47.5	41.4	99	94	80-120	14	20	
Vanadium	mg/kg	27.9	96.2	87.7	136	121	112	106	80-120	11	20	
Zinc	mg/kg	41.9	96.2	87.7	135	125	97	95	80-120	8	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 299268
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289275006, 20289275007

METHOD BLANK: 1433354 Matrix: Water
Associated Lab Samples: 20289275006, 20289275007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0010	0.00034	09/19/23 17:30	
Arsenic	mg/L	ND	0.0010	0.00010	09/19/23 17:30	
Barium	mg/L	ND	0.0010	0.00064	09/19/23 17:30	
Beryllium	mg/L	ND	0.0010	0.00021	09/19/23 17:30	
Cadmium	mg/L	ND	0.0010	0.00019	09/19/23 17:30	
Chromium	mg/L	ND	0.0010	0.00063	09/19/23 17:30	
Cobalt	mg/L	ND	0.0010	0.00012	09/19/23 17:30	
Copper	mg/L	ND	0.0030	0.0017	09/19/23 17:30	
Lead	mg/L	ND	0.0010	0.00069	09/19/23 17:30	
Nickel	mg/L	ND	0.0010	0.00062	09/19/23 17:30	
Selenium	mg/L	ND	0.0010	0.00026	09/19/23 17:30	
Silver	mg/L	ND	0.00050	0.00020	09/19/23 17:30	
Thallium	mg/L	ND	0.00050	0.00011	09/19/23 17:30	
Vanadium	mg/L	ND	0.0050	0.00023	09/19/23 17:30	
Zinc	mg/L	ND	0.010	0.0072	09/19/23 17:30	

LABORATORY CONTROL SAMPLE: 1433355

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.06	0.059	99	85-115	
Arsenic	mg/L	0.06	0.060	99	85-115	
Barium	mg/L	0.06	0.058	96	85-115	
Beryllium	mg/L	0.06	0.060	100	84-115	
Cadmium	mg/L	0.06	0.059	98	85-115	
Chromium	mg/L	0.06	0.061	101	85-115	
Cobalt	mg/L	0.06	0.060	100	85-115	
Copper	mg/L	0.06	0.060	100	85-116	
Lead	mg/L	0.06	0.060	99	85-115	
Nickel	mg/L	0.06	0.059	99	85-115	
Selenium	mg/L	0.06	0.056	94	85-115	
Silver	mg/L	0.03	0.030	100	85-115	
Thallium	mg/L	0.03	0.029	97	85-115	
Vanadium	mg/L	0.06	0.060	100	85-115	
Zinc	mg/L	0.06	0.060	100	85-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433356 1433357

Parameter	Units	20289275006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.06	0.06	0.058	0.057	97	95	80-120	2	20	
Arsenic	mg/L	ND	0.06	0.06	0.058	0.058	97	96	80-120	2	20	
Barium	mg/L	ND	0.06	0.06	0.056	0.055	94	92	80-120	2	20	
Beryllium	mg/L	ND	0.06	0.06	0.057	0.056	94	93	80-120	2	20	
Cadmium	mg/L	ND	0.06	0.06	0.058	0.057	97	95	80-120	2	20	
Chromium	mg/L	ND	0.06	0.06	0.060	0.059	100	98	80-120	1	20	
Cobalt	mg/L	ND	0.06	0.06	0.059	0.058	98	97	80-120	1	20	
Copper	mg/L	ND	0.06	0.06	0.059	0.059	98	97	80-120	1	20	
Lead	mg/L	ND	0.06	0.06	0.059	0.058	98	97	80-120	1	20	
Nickel	mg/L	ND	0.06	0.06	0.058	0.058	97	96	80-120	1	20	
Selenium	mg/L	ND	0.06	0.06	0.056	0.055	93	92	80-120	1	20	
Silver	mg/L	ND	0.03	0.03	0.030	0.029	98	97	80-120	2	20	
Thallium	mg/L	ND	0.03	0.03	0.028	0.028	95	93	80-120	1	20	
Vanadium	mg/L	ND	0.06	0.06	0.059	0.058	98	96	80-120	2	20	
Zinc	mg/L	ND	0.06	0.06	0.058	0.057	95	94	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 2133790
QC Batch Method: 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289275006, 20289275007

METHOD BLANK: R3974993-2 Matrix: Water
Associated Lab Samples: 20289275006, 20289275007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/L	ND	0.0000500	0.0000190	09/17/23 13:41	
Acenaphthene	mg/L	ND	0.0000500	0.0000190	09/17/23 13:41	
Acenaphthylene	mg/L	ND	0.0000500	0.0000170	09/17/23 13:41	
Benzo(a)anthracene	mg/L	ND	0.0000500	0.0000200	09/17/23 13:41	
Benzo(a)pyrene	mg/L	ND	0.0000500	0.0000180	09/17/23 13:41	
Benzo(b)fluoranthene	mg/L	ND	0.0000500	0.0000170	09/17/23 13:41	
Benzo(k)fluoranthene	mg/L	ND	0.000250	0.0000200	09/17/23 13:41	
Chrysene	mg/L	ND	0.0000500	0.0000180	09/17/23 13:41	
Dibenz(a,h)anthracene	mg/L	ND	0.0000500	0.0000180	09/17/23 13:41	
Fluoranthene	mg/L	ND	0.0000500	0.0000110	09/17/23 13:41	
Fluorene	mg/L	ND	0.0000500	0.0000170	09/17/23 13:41	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.0000500	0.0000180	09/17/23 13:41	
Naphthalene	mg/L	ND	0.000500	0.000128	09/17/23 13:41	
Phenanthrene	mg/L	ND	0.0000500	0.0000180	09/17/23 13:41	
Pyrene	mg/L	ND	0.0000500	0.0000170	09/17/23 13:41	
2-Methylnaphthalene	mg/L	ND	0.000500	0.0000280	09/17/23 13:41	
2-Chloronaphthalene	mg/L	ND	0.000500	0.0000120	09/17/23 13:41	
Nitrobenzene-d5 (S)	%	76.5	11.0-135		09/17/23 13:41	
2-Fluorobiphenyl (S)	%	72	32.0-120		09/17/23 13:41	
Terphenyl-d14 (S)	%	93.5	23.0-122		09/17/23 13:41	

LABORATORY CONTROL SAMPLE: R3974993-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/L	0.00200	0.00166	83.0	43.0-127	
Acenaphthene	mg/L	0.00200	0.00178	89.0	42.0-120	
Acenaphthylene	mg/L	0.00200	0.00174	87.0	43.0-120	
Benzo(a)anthracene	mg/L	0.00200	0.00195	97.5	46.0-120	
Benzo(a)pyrene	mg/L	0.00200	0.00197	98.5	44.0-122	
Benzo(b)fluoranthene	mg/L	0.00200	0.00201	100	43.0-122	
Benzo(k)fluoranthene	mg/L	0.00200	0.00190	95.0	39.0-128	
Chrysene	mg/L	0.00200	0.00201	100	42.0-129	
Dibenz(a,h)anthracene	mg/L	0.00200	0.00167	83.5	25.0-139	
Fluoranthene	mg/L	0.00200	0.00184	92.0	48.0-131	
Fluorene	mg/L	0.00200	0.00175	87.5	42.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.00200	0.00195	97.5	37.0-133	
Naphthalene	mg/L	0.00200	0.00174	87.0	30.0-120	
Phenanthrene	mg/L	0.00200	0.00178	89.0	42.0-120	
Pyrene	mg/L	0.00200	0.00217	108	38.0-124	

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

LABORATORY CONTROL SAMPLE: R3974993-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/L	0.00200	0.00172	86.0	40.0-120	
2-Chloronaphthalene	mg/L	0.00200	0.00158	79.0	39.0-120	
Nitrobenzene-d5 (S)	%			89.5	11.0-135	
2-Fluorobiphenyl (S)	%			80.0	32.0-120	
Terphenyl-d14 (S)	%			97.5	23.0-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3974993-3 R3974993-4

Parameter	Units	L1654940-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/L	ND	0.00200	0.00210	0.00134	0.00137	67.0	65.2	28.0-120	2.21	25	
Acenaphthene	mg/L	ND	0.00200	0.00210	0.00148	0.00139	74.0	66.2	16.0-120	6.27	25	
Acenaphthylene	mg/L	ND	0.00200	0.00210	0.00146	0.00135	73.0	64.3	16.0-121	7.83	26	
Benzo(a)anthracene	mg/L	ND	0.00200	0.00210	0.000952	0.00126	47.6	60.0	19.0-125	27.8	26	R1
Benzo(a)pyrene	mg/L	ND	0.00200	0.00210	0.000701	0.00110	35.0	52.4	10.0-126	44.3	32	R1
Benzo(b)fluoranthene	mg/L	0.0000351	0.00200	0.00210	0.000720	0.00103	34.2	47.4	10.0-125	35.4	36	
Benzo(k)fluoranthene	mg/L	0.0000277	0.00200	0.00210	0.000621	0.000996	29.7	46.1	10.0-124	46.4	32	R1
Chrysene	mg/L	ND	0.00200	0.00210	0.00106	0.00134	53.0	63.8	18.0-127	23.3	26	
Dibenz(a,h)anthracene	mg/L	0.0000411	0.00200	0.00210	0.000336	0.000675	14.7	30.2	10.0-132	67.1	43	R1
Fluoranthene	mg/L	ND	0.00200	0.00210	0.00130	0.00141	65.0	67.1	37.0-122	8.12	23	
Fluorene	mg/L	ND	0.00200	0.00210	0.00145	0.00143	72.5	68.1	20.0-120	1.39	26	
Indeno(1,2,3-cd)pyrene	mg/L	0.0000477	0.00200	0.00210	0.000371	0.000729	16.2	32.4	10.0-130	65.1	38	R1
Naphthalene	mg/L	ND	0.00200	0.00210	0.00151	0.00131	75.5	62.4	14.0-120	14.2	20	
Phenanthrene	mg/L	ND	0.00200	0.00210	0.00145	0.00145	72.5	69.0	26.0-120	0.00	24	
Pyrene	mg/L	ND	0.00200	0.00210	0.00150	0.00166	75.0	79.0	29.0-120	10.1	24	
2-Methylnaphthalene	mg/L	ND	0.00200	0.00210	0.00144	0.00126	72.0	60.0	10.0-143	13.3	24	
2-Chloronaphthalene	mg/L	ND	0.00200	0.00210	0.00133	0.00118	66.5	56.2	16.0-120	12.0	25	
Nitrobenzene-d5 (S)	%						74.0	71.9	11.0-135			
2-Fluorobiphenyl (S)	%						66.0	57.1	32.0-120			
Terphenyl-d14 (S)	%						47.1	59.5	23.0-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 2136429
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275016

METHOD BLANK: R3977873-3 Matrix: Solid
Associated Lab Samples: 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	09/23/23 02:02	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	09/23/23 02:02	
Aniline	mg/kg	ND	0.333	0.0311	09/23/23 02:02	
Anthracene	mg/kg	ND	0.0333	0.00593	09/23/23 02:02	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	09/23/23 02:02	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	09/23/23 02:02	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	09/23/23 02:02	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	09/23/23 02:02	
Biphenyl (Diphenyl)	mg/kg	ND	0.333	0.0106	09/23/23 02:02	
bis(2-Chloroethyl) ether	mg/kg	ND	0.333	0.0110	09/23/23 02:02	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.333	0.0144	09/23/23 02:02	
2-Chloronaphthalene	mg/kg	ND	0.0333	0.00585	09/23/23 02:02	
Chrysene	mg/kg	ND	0.0333	0.00662	09/23/23 02:02	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	09/23/23 02:02	
Dibenzofuran	mg/kg	ND	0.333	0.0109	09/23/23 02:02	
4-Chloroaniline	mg/kg	ND	0.333	0.0120	09/23/23 02:02	
1,2-Dichlorobenzene	mg/kg	ND	0.333	0.00987	09/23/23 02:02	
1,3-Dichlorobenzene	mg/kg	ND	0.333	0.0101	09/23/23 02:02	
1,4-Dichlorobenzene	mg/kg	ND	0.333	0.00991	09/23/23 02:02	
3,3'-Dichlorobenzidine	mg/kg	ND	0.333	0.0123	09/23/23 02:02	
2,4-Dinitrotoluene	mg/kg	ND	0.333	0.00955	09/23/23 02:02	
2,6-Dinitrotoluene	mg/kg	ND	0.333	0.0109	09/23/23 02:02	
Fluoranthene	mg/kg	ND	0.0333	0.00601	09/23/23 02:02	
Fluorene	mg/kg	ND	0.0333	0.00542	09/23/23 02:02	
Hexachlorobenzene	mg/kg	ND	0.333	0.0118	09/23/23 02:02	
Hexachloro-1,3-butadiene	mg/kg	ND	0.333	0.0112	09/23/23 02:02	
Hexachlorocyclopentadiene	mg/kg	ND	0.333	0.0175	09/23/23 02:02	
Hexachloroethane	mg/kg	ND	0.333	0.0131	09/23/23 02:02	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	09/23/23 02:02	
Isophorone	mg/kg	ND	0.333	0.0102	09/23/23 02:02	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	09/23/23 02:02	
2-Nitroaniline	mg/kg	ND	0.333	0.0107	09/23/23 02:02	
3-Nitroaniline	mg/kg	ND	0.333	0.0106	09/23/23 02:02	
4-Nitroaniline	mg/kg	ND	0.333	0.00971	09/23/23 02:02	
Naphthalene	mg/kg	ND	0.0333	0.00836	09/23/23 02:02	
Nitrobenzene	mg/kg	ND	0.333	0.0116	09/23/23 02:02	
N-Nitrosodiphenylamine	mg/kg	ND	0.333	0.0252	09/23/23 02:02	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.333	0.0111	09/23/23 02:02	
Phenanthrene	mg/kg	ND	0.0333	0.00661	09/23/23 02:02	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

METHOD BLANK: R3977873-3 Matrix: Solid
Associated Lab Samples: 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.333	0.0104	09/23/23 02:02	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	09/23/23 02:02	
Diethylphthalate	mg/kg	ND	0.333	0.0110	09/23/23 02:02	
Dimethylphthalate	mg/kg	ND	0.333	0.0706	09/23/23 02:02	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	09/23/23 02:02	
Pyrene	mg/kg	ND	0.0333	0.00648	09/23/23 02:02	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.333	0.0159	09/23/23 02:02	
2-Chlorophenol	mg/kg	ND	0.333	0.0110	09/23/23 02:02	
2,4-Dichlorophenol	mg/kg	ND	0.333	0.00970	09/23/23 02:02	
2,4-Dimethylphenol	mg/kg	ND	0.333	0.00870	09/23/23 02:02	
2,4-Dinitrophenol	mg/kg	ND	0.333	0.0779	09/23/23 02:02	
4-Nitrophenol	mg/kg	ND	0.333	0.0104	09/23/23 02:02	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	09/23/23 02:02	
Phenol	mg/kg	ND	0.333	0.0134	09/23/23 02:02	
2,4,5-Trichlorophenol	mg/kg	ND	0.333	0.0113	09/23/23 02:02	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.333	0.0126	09/23/23 02:02	
2,4,6-Trichlorophenol	mg/kg	ND	0.333	0.0107	09/23/23 02:02	
1,3-Dinitrobenzene	mg/kg	ND	0.333	0.0617	09/23/23 02:02	
Dinoseb	mg/kg	ND	0.333	0.0970	09/23/23 02:02	
2-Fluorophenol (S)	%	64.7	12.0-120		09/23/23 02:02	
Phenol-d5 (S)	%	58.9	10.0-120		09/23/23 02:02	
Nitrobenzene-d5 (S)	%	54.1	10.0-122		09/23/23 02:02	
2-Fluorobiphenyl (S)	%	61.6	15.0-120		09/23/23 02:02	
2,4,6-Tribromophenol (S)	%	45.3	10.0-127		09/23/23 02:02	
Terphenyl-d14 (S)	%	75.1	10.0-120		09/23/23 02:02	

LABORATORY CONTROL SAMPLE: R3977873-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.420	63.1	38.0-120	
Acenaphthylene	mg/kg	0.666	0.417	62.6	40.0-120	
Aniline	mg/kg	0.666	0.387	58.1	15.0-120	
Anthracene	mg/kg	0.666	0.438	65.8	42.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.488	73.3	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.503	75.5	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.492	73.9	44.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.487	73.1	45.0-120	
Biphenyl (Diphenyl)	mg/kg	0.666	0.422	63.4	39.0-120	
bis(2-Chloroethyl) ether	mg/kg	0.666	0.412	61.9	16.0-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	0.666	0.415	62.3	23.0-120	
2-Chloronaphthalene	mg/kg	0.666	0.409	61.4	35.0-120	
Chrysene	mg/kg	0.666	0.484	72.7	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.508	76.3	44.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

LABORATORY CONTROL SAMPLE: R3977873-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenzofuran	mg/kg	0.666	0.416	62.5	44.0-120	
4-Chloroaniline	mg/kg	0.666	0.331	49.7	18.0-120	
1,2-Dichlorobenzene	mg/kg	0.666	0.391	58.7	32.0-120	
1,3-Dichlorobenzene	mg/kg	0.666	0.377	56.6	30.0-120	
1,4-Dichlorobenzene	mg/kg	0.666	0.380	57.1	31.0-120	
3,3'-Dichlorobenzidine	mg/kg	1.33	0.898	67.5	28.0-120	
2,4-Dinitrotoluene	mg/kg	0.666	0.469	70.4	45.0-120	
2,6-Dinitrotoluene	mg/kg	0.666	0.468	70.3	42.0-120	
Fluoranthene	mg/kg	0.666	0.445	66.8	44.0-120	
Fluorene	mg/kg	0.666	0.421	63.2	41.0-120	
Hexachlorobenzene	mg/kg	0.666	0.394	59.2	39.0-120	
Hexachloro-1,3-butadiene	mg/kg	0.666	0.366	55.0	15.0-120	
Hexachlorocyclopentadiene	mg/kg	0.666	0.265	39.8	15.0-120	
Hexachloroethane	mg/kg	0.666	0.386	58.0	17.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.447	67.1	45.0-120	
Isophorone	mg/kg	0.666	0.350	52.6	23.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.338	50.8	34.0-120	
2-Nitroaniline	mg/kg	0.666	0.477	71.6	46.0-120	
3-Nitroaniline	mg/kg	0.666	0.420	63.1	36.0-120	
4-Nitroaniline	mg/kg	0.666	0.553	83.0	36.0-120	
Naphthalene	mg/kg	0.666	0.326	48.9	18.0-120	
Nitrobenzene	mg/kg	0.666	0.352	52.9	17.0-120	
N-Nitrosodiphenylamine	mg/kg	0.666	0.425	63.8	40.0-120	
N-Nitroso-di-n-propylamine	mg/kg	0.666	0.447	67.1	26.0-120	
Phenanthrene	mg/kg	0.666	0.445	66.8	42.0-120	
Butylbenzylphthalate	mg/kg	0.666	0.518	77.8	40.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.535	80.3	41.0-120	
Diethylphthalate	mg/kg	0.666	0.461	69.2	43.0-120	
Dimethylphthalate	mg/kg	0.666	0.460	69.1	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.493	74.0	40.0-120	
Pyrene	mg/kg	0.666	0.501	75.2	41.0-120	
1,2,4,5-Tetrachlorobenzene	mg/kg	0.666	0.432	64.9	30.0-120	
2-Chlorophenol	mg/kg	0.666	0.431	64.7	28.0-120	
2,4-Dichlorophenol	mg/kg	0.666	0.360	54.1	25.0-120	
2,4-Dimethylphenol	mg/kg	0.666	0.416	62.5	15.0-120	
2,4-Dinitrophenol	mg/kg	0.666	0.285	42.8	10.0-120	
4-Nitrophenol	mg/kg	0.666	0.424	63.7	27.0-120	
Pentachlorophenol	mg/kg	0.666	0.358	53.8	29.0-120	
Phenol	mg/kg	0.666	0.430	64.6	28.0-120	
2,4,5-Trichlorophenol	mg/kg	0.666	0.440	66.1	38.0-120	
2,3,4,6-Tetrachlorophenol	mg/kg	0.666	0.476	71.5	39.0-120	
2,4,6-Trichlorophenol	mg/kg	0.666	0.425	63.8	37.0-120	
2-Fluorophenol (S)	%			69.1	12.0-120	
Phenol-d5 (S)	%			62.2	10.0-120	
Nitrobenzene-d5 (S)	%			46.8	10.0-122	
2-Fluorobiphenyl (S)	%			62.8	15.0-120	
2,4,6-Tribromophenol (S)	%			57.1	10.0-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

LABORATORY CONTROL SAMPLE: R3977873-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			74.8	10.0-120	

LABORATORY CONTROL SAMPLE: R3977873-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	0.666	0.452	67.9	29.0-120	
Dinoseb	mg/kg	0.666	0.463	69.5	26.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977873-5 R3977873-6

Parameter	Units	20289275008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	0.658	0.658	0.373	0.434	56.7	66.0	18.0-120	15.1	32	
Acenaphthylene	mg/kg	ND	0.658	0.658	0.359	0.418	54.6	63.5	25.0-120	15.2	32	
Aniline	mg/kg	ND	0.658	0.658	0.200	0.219	30.4	33.3	10.0-120	9.07	40	
Anthracene	mg/kg	ND	0.658	0.658	0.371	0.456	56.4	69.3	22.0-120	20.6	29	
Benzo(a)anthracene	mg/kg	ND	0.658	0.658	0.417	0.517	63.4	78.6	25.0-120	21.4	29	
Benzo(b)fluoranthene	mg/kg	ND	0.658	0.658	0.403	0.519	61.2	78.9	19.0-122	25.2	31	
Benzo(k)fluoranthene	mg/kg	ND	0.658	0.658	0.376	0.470	57.1	71.4	23.0-120	22.2	30	
Benzo(a)pyrene	mg/kg	ND	0.658	0.658	0.398	0.502	60.5	76.3	24.0-120	23.1	30	
Biphenyl (Diphenyl)	mg/kg	ND	0.658	0.658	0.371	0.425	56.4	64.6	15.0-120	13.6	33	
bis(2-Chloroethyl) ether	mg/kg	ND	0.658	0.658	0.336	0.388	51.1	59.0	10.0-120	14.4	40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.658	0.658	0.322	0.370	48.9	56.2	10.0-120	13.9	40	
2-Chloronaphthalene	mg/kg	ND	0.658	0.658	0.360	0.413	54.7	62.8	20.0-120	13.7	32	
Chrysene	mg/kg	ND	0.658	0.658	0.407	0.504	61.9	76.6	21.0-120	21.3	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.658	0.658	0.392	0.461	59.6	70.1	10.0-120	16.2	32	
Dibenzofuran	mg/kg	ND	0.658	0.658	0.365	0.428	55.5	65.0	24.0-120	15.9	30	
4-Chloroaniline	mg/kg	ND	0.658	0.658	0.180	0.202	27.4	30.7	10.0-120	11.5	36	
1,2-Dichlorobenzene	mg/kg	ND	0.658	0.658	0.312	0.349	47.4	53.0	10.0-120	11.2	38	
1,3-Dichlorobenzene	mg/kg	ND	0.658	0.658	0.296	0.327	45.0	49.7	10.0-120	9.95	40	
1,4-Dichlorobenzene	mg/kg	ND	0.658	0.658	0.309	0.338	47.0	51.4	10.0-120	8.96	39	
3,3'-Dichlorobenzidine	mg/kg	ND	1.32	1.32	0.722	0.873	54.7	66.1	10.0-120	18.9	34	
2,4-Dinitrotoluene	mg/kg	ND	0.658	0.658	0.376	0.503	57.1	76.4	30.0-120	28.9	31	
2,6-Dinitrotoluene	mg/kg	ND	0.658	0.658	0.367	0.481	55.8	73.1	25.0-120	26.9	31	
Fluoranthene	mg/kg	ND	0.658	0.658	0.388	0.486	59.0	73.9	18.0-126	22.4	32	
Fluorene	mg/kg	ND	0.658	0.658	0.372	0.444	56.5	67.5	25.0-120	17.6	30	
Hexachlorobenzene	mg/kg	ND	0.658	0.658	0.328	0.397	49.8	60.3	27.0-120	19.0	28	
Hexachloro-1,3-butadiene	mg/kg	ND	0.658	0.658	0.314	0.356	47.7	54.1	10.0-120	12.5	38	
Hexachlorocyclopentadiene	mg/kg	ND	0.658	0.658	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
Hexachloroethane	mg/kg	ND	0.658	0.658	0.289	0.332	43.9	50.5	10.0-120	13.8	40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.658	0.658	0.373	0.441	56.7	67.0	10.0-120	16.7	32	
Isophorone	mg/kg	ND	0.658	0.658	0.295	0.322	44.8	48.9	13.0-120	8.75	34	
2-Methylnaphthalene	mg/kg	ND	0.658	0.658	0.297	0.342	45.1	52.0	10.0-120	14.1	37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977873-5 R3977873-6

Parameter	Units	20289275008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Nitroaniline	mg/kg	ND	0.658	0.658	0.420	0.507	63.8	77.1	24.0-120	18.8	30	
3-Nitroaniline	mg/kg	ND	0.658	0.658	0.207	0.314	31.5	47.7	11.0-120	41.1	32	R1
4-Nitroaniline	mg/kg	ND	0.658	0.658	0.429	0.456	65.2	69.3	15.0-120	6.10	31	
Naphthalene	mg/kg	ND	0.658	0.658	0.280	0.312	42.6	47.4	10.0-120	10.8	35	
Nitrobenzene	mg/kg	ND	0.658	0.658	0.279	0.311	42.4	47.3	10.0-120	10.8	36	
N-Nitrosodiphenylamine	mg/kg	ND	0.658	0.658	0.355	0.442	54.0	67.2	17.0-120	21.8	29	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.658	0.658	0.348	0.393	52.9	59.7	10.0-120	12.1	37	
Phenanthrene	mg/kg	ND	0.658	0.658	0.377	0.467	57.3	71.0	17.0-120	21.3	31	
Butylbenzylphthalate	mg/kg	ND	0.658	0.658	0.475	0.592	72.2	90.0	23.0-120	21.9	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.658	0.658	0.486	0.599	73.9	91.0	17.0-126	20.8	30	
Diethylphthalate	mg/kg	ND	0.658	0.658	0.407	0.473	61.9	71.9	26.0-120	15.0	28	
Dimethylphthalate	mg/kg	ND	0.658	0.658	0.395	0.457	60.0	69.5	25.0-120	14.6	29	
Di-n-octylphthalate	mg/kg	ND	0.658	0.658	0.481	0.606	73.1	92.1	21.0-123	23.0	29	
Pyrene	mg/kg	ND	0.658	0.658	0.426	0.541	64.7	82.2	16.0-121	23.8	32	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.658	0.658	0.385	0.450	58.5	68.4	14.0-120	15.6	36	
2-Chlorophenol	mg/kg	ND	0.658	0.658	0.349	0.401	53.0	60.9	15.0-120	13.9	37	
2,4-Dichlorophenol	mg/kg	ND	0.658	0.658	0.324	0.372	49.2	56.5	20.0-120	13.8	31	
2,4-Dimethylphenol	mg/kg	ND	0.658	0.658	0.360	0.409	54.7	62.2	10.0-120	12.7	33	
2,4-Dinitrophenol	mg/kg	ND	0.658	0.658	0.319	0.388	48.5	59.0	10.0-121	19.5	40	
4-Nitrophenol	mg/kg	ND	0.658	0.658	0.396	0.486	60.2	73.9	10.0-137	20.4	32	
Pentachlorophenol	mg/kg	ND	0.658	0.658	0.338	0.430	51.4	65.3	10.0-160	24.0	31	
Phenol	mg/kg	ND	0.658	0.658	0.341	0.392	51.8	59.6	12.0-120	13.9	38	
2,4,5-Trichlorophenol	mg/kg	ND	0.658	0.658	0.418	0.497	63.5	75.5	20.0-120	17.3	30	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.658	0.658	0.464	0.577	70.5	87.7	20.0-120	21.7	31	
2,4,6-Trichlorophenol	mg/kg	ND	0.658	0.658	0.397	0.472	60.3	71.7	19.0-120	17.3	32	
2-Fluorophenol (S)	%						56.7	62.2	12.0-120			
Phenol-d5 (S)	%						50.8	59.3	10.0-120			
Nitrobenzene-d5 (S)	%						38.3	42.9	10.0-122			
2-Fluorobiphenyl (S)	%						55.3	62.6	15.0-120			
2,4,6-Tribromophenol (S)	%						52.3	65.7	10.0-127			
Terphenyl-d14 (S)	%						63.2	75.1	10.0-120			

MATRIX SPIKE SAMPLE: R3977873-4

Parameter	Units	20289275008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	ND	0.644	0.436	67.7	29.0-120	
Dinoseb	mg/kg	ND	0.644	0.394	61.2	26.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 2136437
QC Batch Method: 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275015

METHOD BLANK: R3976624-2 Matrix: Solid
Associated Lab Samples: 20289275001, 20289275002, 20289275003, 20289275004, 20289275005, 20289275015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/kg	ND	0.00600	0.00230	09/22/23 12:28	
Acenaphthene	mg/kg	ND	0.00600	0.00209	09/22/23 12:28	
Acenaphthylene	mg/kg	ND	0.00600	0.00216	09/22/23 12:28	
Benzo(a)anthracene	mg/kg	ND	0.00600	0.00173	09/22/23 12:28	
Benzo(a)pyrene	mg/kg	ND	0.00600	0.00179	09/22/23 12:28	
Benzo(b)fluoranthene	mg/kg	ND	0.00600	0.00153	09/22/23 12:28	
Benzo(k)fluoranthene	mg/kg	ND	0.00600	0.00215	09/22/23 12:28	
Chrysene	mg/kg	ND	0.00600	0.00232	09/22/23 12:28	
Dibenz(a,h)anthracene	mg/kg	ND	0.00600	0.00172	09/22/23 12:28	
Fluoranthene	mg/kg	ND	0.00600	0.00227	09/22/23 12:28	
Fluorene	mg/kg	ND	0.00600	0.00205	09/22/23 12:28	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.00600	0.00181	09/22/23 12:28	
Naphthalene	mg/kg	ND	0.0200	0.00408	09/22/23 12:28	
Phenanthrene	mg/kg	ND	0.00600	0.00231	09/22/23 12:28	
Pyrene	mg/kg	ND	0.00600	0.00200	09/22/23 12:28	
2-Methylnaphthalene	mg/kg	ND	0.0200	0.00427	09/22/23 12:28	
2-Chloronaphthalene	mg/kg	ND	0.0200	0.00466	09/22/23 12:28	
Terphenyl-d14 (S)	%	84.4	23.0-120		09/22/23 12:28	
Nitrobenzene-d5 (S)	%	84.1	14.0-149		09/22/23 12:28	
2-Fluorobiphenyl (S)	%	85	34.0-125		09/22/23 12:28	

LABORATORY CONTROL SAMPLE: R3976624-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/kg	0.0800	0.0671	83.9	50.0-126	
Acenaphthene	mg/kg	0.0800	0.0666	83.3	50.0-120	
Acenaphthylene	mg/kg	0.0800	0.0689	86.1	50.0-120	
Benzo(a)anthracene	mg/kg	0.0800	0.0681	85.1	45.0-120	
Benzo(a)pyrene	mg/kg	0.0800	0.0585	73.1	42.0-120	
Benzo(b)fluoranthene	mg/kg	0.0800	0.0680	85.0	42.0-121	
Benzo(k)fluoranthene	mg/kg	0.0800	0.0673	84.1	49.0-125	
Chrysene	mg/kg	0.0800	0.0693	86.6	49.0-122	
Dibenz(a,h)anthracene	mg/kg	0.0800	0.0766	95.8	47.0-125	
Fluoranthene	mg/kg	0.0800	0.0748	93.5	49.0-129	
Fluorene	mg/kg	0.0800	0.0732	91.5	49.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0800	0.0709	88.6	46.0-125	
Naphthalene	mg/kg	0.0800	0.0643	80.4	50.0-120	
Phenanthrene	mg/kg	0.0800	0.0679	84.9	47.0-120	
Pyrene	mg/kg	0.0800	0.0691	86.4	43.0-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

LABORATORY CONTROL SAMPLE: R3976624-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/kg	0.0800	0.0704	88.0	50.0-120	
2-Chloronaphthalene	mg/kg	0.0800	0.0688	86.0	50.0-120	
Terphenyl-d14 (S)	%			80.1	23.0-120	
Nitrobenzene-d5 (S)	%			84.2	14.0-149	
2-Fluorobiphenyl (S)	%			83.8	34.0-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976636-1 R3976636-2

Parameter	Units	20289275001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/kg	ND	0.0784	0.0780	0.0607	0.0564	77.4	72.3	10.0-145	7.34	30	
Acenaphthene	mg/kg	ND	0.0784	0.0780	0.0606	0.0524	77.3	67.2	14.0-127	14.5	27	
Acenaphthylene	mg/kg	ND	0.0784	0.0780	0.0625	0.0544	79.7	69.7	21.0-124	13.9	25	
Benzo(a)anthracene	mg/kg	ND	0.0784	0.0780	0.0672	0.0631	85.7	80.9	10.0-139	6.29	30	
Benzo(a)pyrene	mg/kg	ND	0.0784	0.0780	0.0714	0.0706	91.1	90.5	10.0-141	1.13	31	
Benzo(b)fluoranthene	mg/kg	ND	0.0784	0.0780	0.0661	0.0601	84.3	77.1	10.0-140	9.51	36	
Benzo(k)fluoranthene	mg/kg	ND	0.0784	0.0780	0.0672	0.0651	85.7	83.5	10.0-137	3.17	31	
Chrysene	mg/kg	ND	0.0784	0.0780	0.0689	0.0653	87.9	83.7	10.0-145	5.37	30	
Dibenz(a,h)anthracene	mg/kg	ND	0.0784	0.0780	0.0715	0.0726	91.2	93.1	10.0-132	1.53	31	
Fluoranthene	mg/kg	ND	0.0784	0.0780	0.0611	0.0568	77.9	72.8	10.0-153	7.29	33	
Fluorene	mg/kg	ND	0.0784	0.0780	0.0632	0.0549	80.6	70.4	11.0-130	14.1	29	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0784	0.0780	0.0756	0.0736	96.4	94.4	10.0-137	2.68	32	
Naphthalene	mg/kg	ND	0.0784	0.0780	0.0577	0.0538	73.6	69.0	10.0-135	7.00	27	
Phenanthrene	mg/kg	ND	0.0784	0.0780	0.0575	0.0518	73.3	66.4	10.0-144	10.4	31	
Pyrene	mg/kg	ND	0.0784	0.0780	0.0644	0.0588	82.1	75.4	10.0-148	9.09	35	
2-Methylnaphthalene	mg/kg	ND	0.0784	0.0780	0.0613	0.0548	78.2	70.3	10.0-137	11.2	28	
2-Chloronaphthalene	mg/kg	ND	0.0784	0.0780	0.0578	0.0507	73.7	65.0	29.0-120	13.1	24	
Terphenyl-d14 (S)	%						76.9	77.6	23.0-120			
Nitrobenzene-d5 (S)	%						81.0	82.3	14.0-149			
2-Fluorobiphenyl (S)	%						73.9	74.7	34.0-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

QC Batch: 300017
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035 Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289275001, 20289275002, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

METHOD BLANK: 1436637
Matrix: Solid
Associated Lab Samples: 20289275001, 20289275002, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:11	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	09/21/23 09:11	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0018	09/21/23 09:11	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
2-Butanone (MEK)	mg/kg	ND	0.010	0.0029	09/21/23 09:11	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.010	0.0019	09/21/23 09:11	
Acetone	mg/kg	ND	0.010	0.0044	09/21/23 09:11	
Benzene	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
Bromodichloromethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
Bromoform	mg/kg	ND	0.0050	0.0016	09/21/23 09:11	
Bromomethane	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
Carbon disulfide	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0011	09/21/23 09:11	
Chlorobenzene	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
Chloroethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:11	
Chloroform	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
Chloromethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:11	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0015	09/21/23 09:11	
Dibromochloromethane	mg/kg	ND	0.0050	0.0016	09/21/23 09:11	
Ethylbenzene	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
Isobutanol	mg/kg	ND	0.25	0.036	09/21/23 09:11	
m&p-Xylene	mg/kg	ND	0.010	0.0032	09/21/23 09:11	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
Methylene Chloride	mg/kg	ND	0.0050	0.0046	09/21/23 09:11	
o-Xylene	mg/kg	ND	0.0050	0.0016	09/21/23 09:11	
Styrene	mg/kg	ND	0.0050	0.0016	09/21/23 09:11	
Tetrachloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
Toluene	mg/kg	ND	0.0050	0.0021	09/21/23 09:11	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0013	09/21/23 09:11	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0016	09/21/23 09:11	
Trichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:11	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:11	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

METHOD BLANK: 1436637 Matrix: Solid

Associated Lab Samples: 20289275001, 20289275002, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Vinyl chloride	mg/kg	ND	0.0020	0.0011	09/21/23 09:11	
4-Bromofluorobenzene (S)	%.	97	64-139		09/21/23 09:11	
Dibromofluoromethane (S)	%.	92	66-143		09/21/23 09:11	
Toluene-d8 (S)	%.	98	75-125		09/21/23 09:11	

METHOD BLANK: 1436641 Matrix: Solid

Associated Lab Samples: 20289275001, 20289275002, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:49	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	09/21/23 09:49	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0018	09/21/23 09:49	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
2-Butanone (MEK)	mg/kg	ND	0.010	0.0029	09/21/23 09:49	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.010	0.0019	09/21/23 09:49	
Acetone	mg/kg	0.0064J	0.010	0.0044	09/21/23 09:49	
Benzene	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
Bromodichloromethane	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
Bromoform	mg/kg	ND	0.0050	0.0016	09/21/23 09:49	
Bromomethane	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
Carbon disulfide	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0011	09/21/23 09:49	
Chlorobenzene	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
Chloroethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:49	
Chloroform	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
Chloromethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:49	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0015	09/21/23 09:49	
Dibromochloromethane	mg/kg	ND	0.0050	0.0016	09/21/23 09:49	
Ethylbenzene	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
Isobutanol	mg/kg	ND	0.25	0.036	09/21/23 09:49	
m&p-Xylene	mg/kg	ND	0.010	0.0032	09/21/23 09:49	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
Methylene Chloride	mg/kg	ND	0.0050	0.0046	09/21/23 09:49	
o-Xylene	mg/kg	ND	0.0050	0.0016	09/21/23 09:49	
Styrene	mg/kg	ND	0.0050	0.0016	09/21/23 09:49	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

METHOD BLANK: 1436641 Matrix: Solid

Associated Lab Samples: 20289275001, 20289275002, 20289275008, 20289275009, 20289275010, 20289275011, 20289275012, 20289275013, 20289275014, 20289275015, 20289275016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Tetrachloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
Toluene	mg/kg	ND	0.0050	0.0021	09/21/23 09:49	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0013	09/21/23 09:49	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0016	09/21/23 09:49	
Trichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 09:49	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0012	09/21/23 09:49	
Vinyl chloride	mg/kg	ND	0.0020	0.0011	09/21/23 09:49	
4-Bromofluorobenzene (S)	%.	97	64-139		09/21/23 09:49	
Dibromofluoromethane (S)	%.	92	66-143		09/21/23 09:49	
Toluene-d8 (S)	%.	97	75-125		09/21/23 09:49	

LABORATORY CONTROL SAMPLE: 1436638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.05	0.049	98	72-121	
1,1,1-Trichloroethane	mg/kg	0.05	0.043	86	76-126	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.048	97	65-129	
1,1,2-Trichloroethane	mg/kg	0.05	0.048	95	75-121	
1,1-Dichloroethane	mg/kg	0.05	0.043	86	71-127	
1,1-Dichloroethene	mg/kg	0.05	0.042	85	63-130	
1,2,4-Trichlorobenzene	mg/kg	0.05	0.049	98	67-123	
1,2-Dibromo-3-chloropropane	mg/kg	0.05	0.048	96	59-131	
1,2-Dichloroethane	mg/kg	0.05	0.045	91	65-131	
1,2-Dichloropropane	mg/kg	0.05	0.047	93	72-125	
2-Butanone (MEK)	mg/kg	0.05	0.044	88	34-170	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.05	0.051	102	58-141	
Acetone	mg/kg	0.05	0.049	99	16-192	
Benzene	mg/kg	0.05	0.042	83	74-132	
Bromodichloromethane	mg/kg	0.05	0.048	97	73-117	
Bromoform	mg/kg	0.05	0.051	101	58-132	
Bromomethane	mg/kg	0.05	0.041	81	47-157	
Carbon disulfide	mg/kg	0.05	0.044	88	52-145	
Carbon tetrachloride	mg/kg	0.05	0.041	81	68-129	
Chlorobenzene	mg/kg	0.05	0.049	98	79-121	
Chloroethane	mg/kg	0.05	0.049	97	34-160	
Chloroform	mg/kg	0.05	0.043	86	70-120	
Chloromethane	mg/kg	0.05	0.050	99	44-142	
cis-1,2-Dichloroethene	mg/kg	0.05	0.043	85	71-124	
cis-1,3-Dichloropropene	mg/kg	0.05	0.048	97	77-121	
Dibromochloromethane	mg/kg	0.05	0.048	97	67-122	
Ethylbenzene	mg/kg	0.05	0.048	96	79-116	
m&p-Xylene	mg/kg	0.1	0.097	97	78-119	
Methyl-tert-butyl ether	mg/kg	0.05	0.045	91	58-135	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

LABORATORY CONTROL SAMPLE: 1436638

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	mg/kg	0.05	0.039	77	49-145	
o-Xylene	mg/kg	0.05	0.047	95	77-121	
Styrene	mg/kg	0.05	0.048	96	81-123	
Tetrachloroethene	mg/kg	0.05	0.046	91	62-138	
Toluene	mg/kg	0.05	0.045	91	79-120	
trans-1,2-Dichloroethene	mg/kg	0.05	0.042	83	68-125	
trans-1,3-Dichloropropene	mg/kg	0.05	0.049	99	77-121	
Trichloroethene	mg/kg	0.05	0.042	85	77-117	
Trichlorofluoromethane	mg/kg	0.05	0.045	90	45-164	
Vinyl chloride	mg/kg	0.05	0.050	101	48-130	
4-Bromofluorobenzene (S)	%.			96	64-139	
Dibromofluoromethane (S)	%.			90	66-143	
Toluene-d8 (S)	%.			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436639 1436640

Parameter	Units	20288859021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	<0.0012	0.04	0.05	0.019	0.036	48	71	62-139	60	20	M1,R1
1,1,1-Trichloroethane	mg/kg	<0.0011	0.04	0.05	0.010	0.039	25	78	73-141	119	20	M1,R1
1,1,2,2-Tetrachloroethane	mg/kg	<0.0016	0.04	0.05	0.018	0.028	46	56	48-148	43	20	M1,R1
1,1,2-Trichloroethane	mg/kg	<0.0013	0.04	0.05	0.017	0.033	44	66	46-154	62	20	M1,R1
1,1-Dichloroethane	mg/kg	<0.0013	0.04	0.05	0.0091	0.037	23	73	63-145	120	20	M1,R1
1,1-Dichloroethene	mg/kg	<0.0012	0.04	0.05	0.0067	0.038	17	76	28-176	141	20	M1,R1
1,2,4-Trichlorobenzene	mg/kg	<0.0013	0.04	0.05	0.011	0.013	27	25	56-145	18	20	M1
1,2-Dibromo-3-chloropropane	mg/kg	<0.0015	0.04	0.05	0.019	0.025	47	50	40-152	29	20	R1
1,2-Dichloroethane	mg/kg	<0.0013	0.04	0.05	0.013	0.033	32	66	51-147	90	20	M1,R1
1,2-Dichloropropane	mg/kg	<0.0013	0.04	0.05	0.014	0.037	37	74	64-140	88	20	M1,R1
2-Butanone (MEK)	mg/kg	0.0049J	0.04	0.05	0.023	0.024	46	39	10-200	6	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	<0.0016	0.04	0.05	0.022	0.034	56	68	36-165	43	20	R1
Acetone	mg/kg	0.041	0.04	0.05	0.065	0.047	61	11	10-200	33	20	R1
Benzene	mg/kg	<0.0012	0.04	0.05	0.010	0.035	26	70	29-186	109	20	M1,R1
Bromodichloromethane	mg/kg	<0.0013	0.04	0.05	0.016	0.036	41	72	58-139	76	20	M1,R1
Bromoform	mg/kg	<0.0014	0.04	0.05	0.018	0.031	45	61	57-135	53	20	M1,R1
Bromomethane	mg/kg	<0.0012	0.04	0.05	0.020	0.036	51	72	42-168	56	20	R1
Carbon disulfide	mg/kg	<0.0012	0.04	0.05	0.0064	0.037	16	73	44-170	141	20	M1,R1
Carbon tetrachloride	mg/kg	<0.00090	0.04	0.05	0.0090	0.042	23	84	45-162	130	20	M1,R1
Chlorobenzene	mg/kg	<0.0012	0.04	0.05	0.017	0.034	43	69	71-135	68	20	M1,R1
Chloroethane	mg/kg	<0.0010	0.04	0.05	0.025	0.044	64	88	32-175	54	20	R1
Chloroform	mg/kg	<0.0012	0.04	0.05	0.012	0.035	30	70	61-136	98	20	M1,R1
Chloromethane	mg/kg	<0.0010	0.04	0.05	0.025	0.045	63	89	38-154	57	20	R1
cis-1,2-Dichloroethene	mg/kg	<0.0012	0.04	0.05	0.010	0.034	25	67	44-160	108	20	M1,R1
cis-1,3-Dichloropropene	mg/kg	<0.0012	0.04	0.05	0.016	0.035	39	70	47-153	77	20	M1,R1
Dibromochloromethane	mg/kg	<0.0013	0.04	0.05	0.018	0.033	45	66	64-130	61	20	M1,R1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436639 1436640

Parameter	Units	20288859021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Ethylbenzene	mg/kg	<0.0012	0.04	0.05	0.017	0.037	43	74	51-153	75	20	M1,R1
m&p-Xylene	mg/kg	<0.0027	0.079	0.1	0.034	0.072	43	72	30-173	71	20	R1
Methyl-tert-butyl ether	mg/kg	<0.0012	0.04	0.05	0.012	0.032	29	63	36-160	93	20	M1,R1
Methylene Chloride	mg/kg	<0.0039	0.04	0.05	0.0072	0.029	18	57	56-140	120	20	M1,R1
o-Xylene	mg/kg	<0.0013	0.04	0.05	0.017	0.035	44	69	10-197	68	20	R1
Styrene	mg/kg	<0.0014	0.04	0.05	0.016	0.032	42	64	37-163	64	20	R1
Tetrachloroethene	mg/kg	<0.0012	0.04	0.05	0.013	0.037	33	75	18-193	96	20	R1
Toluene	mg/kg	<0.0018	0.04	0.05	0.015	0.038	38	75	33-175	86	20	R1
trans-1,2-Dichloroethene	mg/kg	<0.0011	0.04	0.05	0.0072	0.035	18	69	63-140	131	20	M1,R1
trans-1,3-Dichloropropene	mg/kg	<0.0013	0.04	0.05	0.016	0.033	41	66	47-153	69	20	M1,R1
Trichloroethene	mg/kg	<0.0012	0.04	0.05	0.011	0.036	28	72	24-181	105	20	R1
Trichlorofluoromethane	mg/kg	<0.0010	0.04	0.05	0.026	0.045	65	90	37-182	54	20	R1
Vinyl chloride	mg/kg	<0.00094	0.04	0.05	0.027	0.049	68	97	19-169	57	20	R1
4-Bromofluorobenzene (S)	%.						97	97	64-139			
Dibromofluoromethane (S)	%.						94	93	66-143			
Toluene-d8 (S)	%.						97	97	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436642 1436643

Parameter	Units	20289275001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.044	0.046	0.027	0.025	62	55	62-139	8	20	M1
1,1,1-Trichloroethane	mg/kg	ND	0.044	0.046	0.033	0.031	76	66	73-141	9	20	M1
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.044	0.046	0.018	0.019	41	42	48-148	7	20	M1
1,1,2-Trichloroethane	mg/kg	ND	0.044	0.046	0.022	0.022	51	48	46-154	1	20	
1,1-Dichloroethane	mg/kg	ND	0.044	0.046	0.030	0.028	68	61	63-145	7	20	M1
1,1-Dichloroethene	mg/kg	ND	0.044	0.046	0.031	0.030	71	65	28-176	5	20	
1,2,4-Trichlorobenzene	mg/kg	ND	0.044	0.046	0.0087	0.0094	20	20	56-145	8	20	M1
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.044	0.046	0.016	0.018	35	40	40-152	17	20	M1
1,2-Dichloroethane	mg/kg	ND	0.044	0.046	0.024	0.023	54	51	51-147	2	20	
1,2-Dichloropropane	mg/kg	ND	0.044	0.046	0.029	0.027	65	59	64-140	6	20	M1
2-Butanone (MEK)	mg/kg	ND	0.044	0.046	0.016	0.017	37	37	10-200	5	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.044	0.046	0.020	0.021	46	46	36-165	6	20	
Acetone	mg/kg	ND	0.044	0.046	0.018	0.021	42	45	10-200	13	20	
Benzene	mg/kg	ND	0.044	0.046	0.028	0.026	64	57	29-186	8	20	
Bromodichloromethane	mg/kg	ND	0.044	0.046	0.027	0.026	62	56	58-139	5	20	M1
Bromoform	mg/kg	ND	0.044	0.046	0.019	0.020	43	44	57-135	7	20	M1
Bromomethane	mg/kg	ND	0.044	0.046	0.028	0.028	64	61	42-168	1	20	
Carbon disulfide	mg/kg	ND	0.044	0.046	0.030	0.030	67	66	44-170	2	20	
Carbon tetrachloride	mg/kg	ND	0.044	0.046	0.036	0.033	81	71	45-162	9	20	
Chlorobenzene	mg/kg	ND	0.044	0.046	0.027	0.025	61	55	71-135	7	20	M1
Chloroethane	mg/kg	ND	0.044	0.046	0.036	0.034	81	74	32-175	5	20	
Chloroform	mg/kg	ND	0.044	0.046	0.028	0.026	64	57	61-136	7	20	M1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1436642 1436643

Parameter	Units	20289275001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloromethane	mg/kg	ND	0.044	0.046	0.035	0.035	79	76	38-154	0	20	
cis-1,2-Dichloroethene	mg/kg	ND	0.044	0.046	0.027	0.025	60	54	44-160	7	20	
cis-1,3-Dichloropropene	mg/kg	ND	0.044	0.046	0.026	0.025	58	54	47-153	3	20	
Dibromochloromethane	mg/kg	ND	0.044	0.046	0.023	0.023	52	50	64-130	0	20	M1
Ethylbenzene	mg/kg	ND	0.044	0.046	0.031	0.028	70	61	51-153	9	20	
m&p-Xylene	mg/kg	ND	0.088	0.092	0.060	0.055	68	59	30-173	9	20	
Methyl-tert-butyl ether	mg/kg	ND	0.044	0.046	0.021	0.021	48	46	36-160	1	20	
Methylene Chloride	mg/kg	ND	0.044	0.046	0.022	0.021	50	46	56-140	3	20	M1
o-Xylene	mg/kg	ND	0.044	0.046	0.028	0.026	63	56	10-197	7	20	
Styrene	mg/kg	ND	0.044	0.046	0.022	0.021	51	46	37-163	6	20	
Tetrachloroethene	mg/kg	ND	0.044	0.046	0.031	0.028	70	61	18-193	9	20	
Toluene	mg/kg	ND	0.044	0.046	0.031	0.028	70	62	33-175	8	20	
trans-1,2-Dichloroethene	mg/kg	ND	0.044	0.046	0.028	0.027	64	59	63-140	5	20	M1
trans-1,3-Dichloropropene	mg/kg	ND	0.044	0.046	0.023	0.023	52	50	47-153	0	20	
Trichloroethene	mg/kg	ND	0.044	0.046	0.029	0.027	67	59	24-181	8	20	
Trichlorofluoromethane	mg/kg	ND	0.044	0.046	0.035	0.034	79	74	37-182	3	20	
Vinyl chloride	mg/kg	ND	0.044	0.046	0.038	0.038	86	82	19-169	1	20	
4-Bromofluorobenzene (S)	%.						96	97	64-139			
Dibromofluoromethane (S)	%.						93	92	66-143			
Toluene-d8 (S)	%.						97	98	75-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20289275

[1]

SAMPLE QUALIFIERS

Sample: L1654940-01

[1]	Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM - Surrogate recovery within historical limits.

BATCH QUALIFIERS

Batch: 299068

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289275006	**Field Blank - 2**	MA DEP/NJ DEP	2135760	EPH	2135760
20289275007	**EB-1**	MA DEP/NJ DEP	2135760	EPH	2135760
20289275001	**B-7 (4-6)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275002	**B-7 (14-16)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275003	**B-3 (0-4)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275004	**B-3 (7-9)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275005	**B-3 (14-16)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275008	**B-4 (0-2)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275009	**B-4 (6-8)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275010	**B-4 (2-4)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275011	**B-8 (0-2)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275012	**B-8 (6-8)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289275013	**B-8 (4-6)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289275014	**B-8 (14-16)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289275015	**B-7 (7-9)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289275016	**B-4 (14-16)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289275008	**B-4 (0-2)**	EPA 5035	299051	MADEP VPH Mod	299068
20289275009	**B-4 (6-8)**	EPA 5035	299051	MADEP VPH Mod	299068
20289275010	**B-4 (2-4)**	EPA 5035	299051	MADEP VPH Mod	299068
20289275011	**B-8 (0-2)**	EPA 5035	299051	MADEP VPH Mod	299068
20289275012	**B-8 (6-8)**	EPA 5035	299051	MADEP VPH Mod	299068
20289275013	**B-8 (4-6)**	EPA 5035	299051	MADEP VPH Mod	299068
20289275014	**B-8 (14-16)**	EPA 5035	299051	MADEP VPH Mod	299068
20289275001	**B-7 (4-6)**	EPA 3050	299171	EPA 6010	299430
20289275002	**B-7 (14-16)**	EPA 3050	299171	EPA 6010	299430
20289275003	**B-3 (0-4)**	EPA 3050	299171	EPA 6010	299430
20289275004	**B-3 (7-9)**	EPA 3050	299171	EPA 6010	299430
20289275005	**B-3 (14-16)**	EPA 3050	299171	EPA 6010	299430
20289275008	**B-4 (0-2)**	EPA 3050	299171	EPA 6010	299430
20289275009	**B-4 (6-8)**	EPA 3050	299171	EPA 6010	299430
20289275010	**B-4 (2-4)**	EPA 3050	299171	EPA 6010	299430
20289275011	**B-8 (0-2)**	EPA 3050	299171	EPA 6010	299430
20289275012	**B-8 (6-8)**	EPA 3050	299171	EPA 6010	299430
20289275013	**B-8 (4-6)**	EPA 3050	299171	EPA 6010	299430
20289275014	**B-8 (14-16)**	EPA 3050	299171	EPA 6010	299430
20289275015	**B-7 (7-9)**	EPA 3050	299171	EPA 6010	299430
20289275016	**B-4 (14-16)**	EPA 3050	299171	EPA 6010	299430
20289275006	**Field Blank - 2**	EPA 3010	299268	EPA 6020A	299397
20289275007	**EB-1**	EPA 3010	299268	EPA 6020A	299397
20289275006	**Field Blank - 2**	EPA 7470	299279	EPA 7470	299288
20289275007	**EB-1**	EPA 7470	299279	EPA 7470	299288
20289275001	**B-7 (4-6)**	EPA 7471	299167	EPA 7471	299244
20289275002	**B-7 (14-16)**	EPA 7471	299167	EPA 7471	299244
20289275003	**B-3 (0-4)**	EPA 7471	299167	EPA 7471	299244
20289275004	**B-3 (7-9)**	EPA 7471	299167	EPA 7471	299244

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcel Soils
Pace Project No.: 20289275

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289275005	**B-3 (14-16)**	EPA 7471	299167	EPA 7471	299244
20289275008	**B-4 (0-2)**	EPA 7471	299167	EPA 7471	299244
20289275009	**B-4 (6-8)**	EPA 7471	299167	EPA 7471	299244
20289275010	**B-4 (2-4)**	EPA 7471	299167	EPA 7471	299244
20289275011	**B-8 (0-2)**	EPA 7471	299167	EPA 7471	299244
20289275012	**B-8 (6-8)**	EPA 7471	299167	EPA 7471	299244
20289275013	**B-8 (4-6)**	EPA 7471	299167	EPA 7471	299244
20289275014	**B-8 (14-16)**	EPA 7471	299167	EPA 7471	299244
20289275015	**B-7 (7-9)**	EPA 7471	299167	EPA 7471	299244
20289275016	**B-4 (14-16)**	EPA 7471	299167	EPA 7471	299244
20289275006	**Field Blank - 2**	3510C	2133790	EPA 8270E by SIM	2133790
20289275007	**EB-1**	3510C	2133790	EPA 8270E by SIM	2133790
20289275008	**B-4 (0-2)**	3546	2136429	EPA 8270E	2136429
20289275009	**B-4 (6-8)**	3546	2136429	EPA 8270E	2136429
20289275010	**B-4 (2-4)**	3546	2136429	EPA 8270E	2136429
20289275011	**B-8 (0-2)**	3546	2136429	EPA 8270E	2136429
20289275012	**B-8 (6-8)**	3546	2136429	EPA 8270E	2136429
20289275013	**B-8 (4-6)**	3546	2136429	EPA 8270E	2136429
20289275014	**B-8 (14-16)**	3546	2136429	EPA 8270E	2136429
20289275016	**B-4 (14-16)**	3546	2136429	EPA 8270E	2136429
20289275001	**B-7 (4-6)**	3546	2136437	EPA 8270E by SIM	2136437
20289275002	**B-7 (14-16)**	3546	2136437	EPA 8270E by SIM	2136437
20289275003	**B-3 (0-4)**	3546	2136437	EPA 8270E by SIM	2136437
20289275004	**B-3 (7-9)**	3546	2136437	EPA 8270E by SIM	2136437
20289275005	**B-3 (14-16)**	3546	2136437	EPA 8270E by SIM	2136437
20289275015	**B-7 (7-9)**	3546	2136437	EPA 8270E by SIM	2136437
20289275001	**B-7 (4-6)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275002	**B-7 (14-16)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275008	**B-4 (0-2)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275009	**B-4 (6-8)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275010	**B-4 (2-4)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275011	**B-8 (0-2)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275012	**B-8 (6-8)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275013	**B-8 (4-6)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275014	**B-8 (14-16)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275015	**B-7 (7-9)**	EPA 5035/5030B	300017	EPA 8260	300055
20289275016	**B-4 (14-16)**	EPA 5035/5030B	300017	EPA 8260	300055

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 20289275

20289275

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:	ET 237079	Invoice To:	
Project Name:	JM3-JM5 Parcels Soils	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Louisiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other 7day

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only:
Proj. Mgr.: Clay Ledet
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID: 1141077

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	EPH / PAH	EPH / RECAP SVOC	RCRA 8 Metals	RECAP Metals	RECAP VOC	RECAP VOC / VPH	Sample Comment	Preservation non-conformance identified for sample.
B-7 (4-6)	S	G	9-12-23	10:38				2	2	X		X		X			
B-7 (4-6) MS				10:38				2	2	X		X		X			
B-7 (4-6) MSD				10:38				2	2	X		X		X			
B-7 (7-9)				10:21				2	2	X		X		X			
B-7 (14-16)				10:24				2	2	X		X		X			
B-3 (0-4)				12:55					2	X		X					
B-3 (7-9)				12:41					2	X		X					
B-3 (14-16)				12:34					2	X		X					
Field Blank-2	W	G	9-12-23	13:05				4	1	X		X					
EB-1	W	G	9-12-23	13:18				4	1	X		X					

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Cody Vanderlick
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1	12	0	2.1	

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9-12-23 17:05	Alex Green Pace	9/13/23 10:00
Alex Green Pace	9/13/23 1220		9/13/23 12:20

Tracking Number:

Delivered by: [ ] In-Person [X] Courier
[ ] FedEX [ ] UPS [ ] Other

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO#: 20289275

PM: CAL Due Date: 09/14/23

CLIENT: 20-TERRACONN

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:	ET237079	Invoice To:	
Project Name:	JM3-JM5 Parcels Soils	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Louisiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [X] Other 7 day

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Clay Ledet; Acct.Num / Client ID:; Table #:; Profile / Template:; Prelog / Bottle Ord. ID: 1141077

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers: Plastic	Number & Type of Containers: Glass	EPH / PAH	EPH / RECAP SVOC	RCRA 8 Metals	RECAP Metals	RECAP VOC	RECAP VOC / VPH	Sample Comment	Preservation non-conformance identified for sample.
B-4 (0-2)	S	G	9-12-23	14:45				4	2	X	X		X	X	X		
B-4 (6-8)				14:53				4	2	X	X		X	X	X		
B-4 (2-4)				15:07				4	2	X	X		X	X	X		
B-4 (14-16)				14:49				4	2	X	X		X	X	X		
B-8 (0-2)				15:53				4	2		X		X		X		
B-8 (8-8)				16:02				4	2		X		X		X		
B-8 (4-6)				16:12				4	2		X		X		X		
B-8 (14-16)				15:52				4	2		X		X		X		

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Cody Vanderlick
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1	12	0	2.1	

	Date/Time:		Date/Time:
Relinquished by/Company: (Signature)	9-12-23 17:05	Received by/Company: (Signature) Alex Green Pace	9-13 23 10:00
Relinquished by/Company: (Signature) Alex Green Pace	9-13 23 1220	Received by/Company: (Signature)	9/13/23 12:20
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Pace

Sample Condition Upon Receipt (SCUR)

WO#: 20289275

PM: CAL **Due Date: 09/14/23**

CLIENT: 20-TERRACONN

1000 Riverbend Blvd, Suite F, St. Rose. LA 70087

Cooler Inspected by/date: CAL / 09/13/23

Means of receipt: ☐ Pace ☑ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☐ No	☑ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	If custody seals were present, were they intact and unbroken?

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 10 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C: 0.1	(Actual/True)	Samples on ice ☑ Yes ☐ No
Cooler #2	Cooler Temp °C:	(Actual/True)	pH Strip Lot #
Cooler #3	Cooler Temp °C:	(Actual/True)	Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None
Cooler #4	Cooler Temp °C:	(Actual/True)	

Tracking #:

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☑ Yes	☐ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☐ Yes	☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☑ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☑ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #:
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO3_____ H2SO4_____ NaOH_____ Date: _____ Time:_____

Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 14, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20289352001	**FB-3**	Water	09/13/23 08:49	09/14/23 10:35
20289352002	**B-9 (0-2)**	Solid	09/13/23 10:34	09/14/23 10:35
20289352003	**B-9 (5-7)**	Solid	09/13/23 10:25	09/14/23 10:35
20289352004	**B-9 (14-16)**	Solid	09/13/23 10:18	09/14/23 10:35
20289352005	**B-10 (0-2)**	Solid	09/13/23 11:17	09/14/23 10:35
20289352006	**B-10 (2-4)**	Solid	09/13/23 11:36	09/14/23 10:35
20289352007	**B-10 (5-7)**	Solid	09/13/23 11:21	09/14/23 10:35
20289352008	**B-10 (14-16)**	Solid	09/13/23 11:24	09/14/23 10:35
20289352009	**B-11 (0-2)**	Solid	09/13/23 12:40	09/14/23 10:35
20289352010	**B-11 (5-7)**	Solid	09/13/23 12:19	09/14/23 10:35
20289352011	**B-11 (14-16)**	Solid	09/13/23 12:17	09/14/23 10:35
20289352012	**B-12 (0-2)**	Solid	09/13/23 13:40	09/14/23 10:35
20289352013	**B-12 (2-4)**	Solid	09/13/23 14:06	09/14/23 10:35
20289352014	**B-12 (5-7)**	Solid	09/13/23 13:57	09/14/23 10:35
20289352015	**B-12 (14-16)**	Solid	09/13/23 13:46	09/14/23 10:35
20289352016	**B-13 (0-2)**	Solid	09/13/23 14:56	09/14/23 10:35
20289352017	**B-13 (2-4)**	Solid	09/13/23 15:15	09/14/23 10:35
20289352018	**B-13 (7-9)**	Solid	09/13/23 15:05	09/14/23 10:35
20289352019	**B-13 (14-16)**	Solid	09/13/23 15:00	09/14/23 10:35

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20289352001	**FB-3**	EPH	HLJ	11	PAN
		EPA 6020A	MHB1	15	PASI-N
		EPA 7470	ARW	1	PASI-N
		EPA 8270E by SIM	JRM	20	PAN
20289352002	**B-9 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AMM	20	PAN
		EPA 8260	JRP	43	PASI-N
20289352003	**B-9 (5-7)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AMM	20	PAN
		EPA 8260	JRP	43	PASI-N
20289352004	**B-9 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AMM	20	PAN
		EPA 8260	JRP	43	PASI-N
20289352005	**B-10 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
20289352006	**B-10 (2-4)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
20289352007	**B-10 (5-7)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
20289352008	**B-10 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
20289352009	**B-11 (0-2)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AMM	20	PAN
20289352010	**B-11 (5-7)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AMM	20	PAN
20289352011	**B-11 (14-16)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E by SIM	AGW	20	PAN
20289352012	**B-12 (0-2)**	EPH	HLJ	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
20289352013	**B-12 (2-4)**	EPH	HLJ	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
20289352014	**B-12 (5-7)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
20289352015	**B-12 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
		EPA 7196	MHM	1	PASI-N
20289352016	**B-13 (0-2)**	EPH	HLJ	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
		EPA 7196	MHM	1	PASI-N
20289352017	**B-13 (2-4)**	EPH	HLJ, JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AMG	64	PAN
		EPA 8260	JRP	43	PASI-N
		EPA 7196	MHM	1	PASI-N
20289352018	**B-13 (7-9)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
		EPA 7196	MHM	1	PASI-N
20289352019	**B-13 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	ARW	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
		EPA 7196	MHM	1	PASI-N

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SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Date: December 05, 2023

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
19 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2136453

B: Analyte was detected in the associated method blank.
- R3976762-1 (Lab ID: R3976762-1)
  - Aliphatic (>C16-C35)

QC Batch: 2136882

B: Analyte was detected in the associated method blank.
- R3976778-4 (Lab ID: R3976778-4)
  - Aliphatic (>C12-C16)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
15 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299189

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

QC Batch: 299803

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
18 samples were analyzed for EPA 6010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299173

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289352002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1432804)
  - Antimony
  - Barium
- MSD (Lab ID: 1432805)
  - Antimony
  - Barium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
1 sample was analyzed for EPA 6020A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
1 sample was analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 7471**
Description: 7471 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
18 samples were analyzed for EPA 7471 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299176

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289352005

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1432808)
  - Mercury
- MSD (Lab ID: 1432809)
  - Mercury

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
7 samples were analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
12 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2136429

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1656751-09

R1: RPD value was outside control limits.

- MSD (Lab ID: R3977873-6)
  - 3-Nitroaniline

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
15 samples were analyzed for EPA 8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 300133

S3: Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

- B-9 (0-2) (Lab ID: 20289352002)
  - 4-Bromofluorobenzene (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Method: **EPA 7196**
Description: Chromium, Hexavalent, soluble
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
5 samples were analyzed for EPA 7196 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7196 with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 299888

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- B-12 (14-16) (Lab ID: 20289352015)
  - Chromium, Hexavalent
- B-13 (14-16) (Lab ID: 20289352019)
  - Chromium, Hexavalent
- B-13 (2-4) (Lab ID: 20289352017)
  - Chromium, Hexavalent
- B-13 (7-9) (Lab ID: 20289352018)
  - Chromium, Hexavalent
- DUP (Lab ID: 1435917)
  - Chromium, Hexavalent
- MS (Lab ID: 1435918)
  - Chromium, Hexavalent

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: FB-3 **Lab ID: 20289352001** Collected: 09/13/23 08:49 Received: 09/14/23 10:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 09:28		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 09:28		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 09:28	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/20/23 03:35	09/21/23 11:19		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 11:19		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 11:19		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/20/23 03:35	09/21/23 11:19		
Surrogates										
o-Terphenyl (S)	92.9	%	40.0-140			1	09/20/23 03:35	09/21/23 11:19	84-15-1	
1-Chloro-octadecane (S)	85.4	%	40.0-140			1	09/20/23 03:35	09/21/23 09:28		
2-Fluorobiphenyl (S)	99.2	%	40.0-140			1	09/20/23 03:35	09/21/23 11:19	321-60-8	
2-Bromonaphthalene (S)	98.9	%	40.0-140			1	09/20/23 03:35	09/21/23 11:19	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0010	0.00034	.006	1	09/15/23 16:24	09/18/23 20:25	7440-36-0	
Arsenic	ND	mg/L	0.0010	0.00010	.01	1	09/15/23 16:24	09/18/23 20:25	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/15/23 16:24	09/18/23 20:25	7440-39-3	
Beryllium	ND	mg/L	0.0010	0.00021	.004	1	09/15/23 16:24	09/18/23 20:25	7440-41-7	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/15/23 16:24	09/18/23 20:25	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/15/23 16:24	09/18/23 20:25	7440-47-3	
Cobalt	ND	mg/L	0.0010	0.00012	.22	1	09/15/23 16:24	09/18/23 20:25	7440-48-4	
Copper	ND	mg/L	0.0030	0.0017	1.3	1	09/15/23 16:24	09/18/23 20:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/15/23 16:24	09/18/23 20:25	7439-92-1	
Nickel	ND	mg/L	0.0010	0.00062	.073	1	09/15/23 16:24	09/18/23 20:25	7440-02-0	
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/15/23 16:24	09/18/23 20:25	7782-49-2	
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/15/23 16:24	09/18/23 20:25	7440-22-4	
Thallium	ND	mg/L	0.00050	0.00011	.002	1	09/15/23 16:24	09/18/23 20:25	7440-28-0	
Vanadium	ND	mg/L	0.0050	0.00023	.026	1	09/15/23 16:24	09/18/23 20:25	7440-62-2	
Zinc	ND	mg/L	0.010	0.0072	1.1	1	09/15/23 16:24	09/18/23 20:25	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000018		1	09/15/23 17:22	09/15/23 22:50	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/19/23 07:49	09/19/23 22:16	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/19/23 07:49	09/19/23 22:16	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 07:49	09/19/23 22:16	208-96-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: FB-3 **Lab ID: 20289352001** Collected: 09/13/23 08:49 Received: 09/14/23 10:35 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/19/23 07:49	09/19/23 22:16	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 07:49	09/19/23 22:16	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 07:49	09/19/23 22:16	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/19/23 07:49	09/19/23 22:16	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 07:49	09/19/23 22:16	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 07:49	09/19/23 22:16	53-70-3	
Fluoranthene	**0.0000129 J**	mg/L	0.0000500	0.0000110		1	09/19/23 07:49	09/19/23 22:16	206-44-0	J
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 07:49	09/19/23 22:16	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 07:49	09/19/23 22:16	193-39-5	
Naphthalene	**0.000185J**	mg/L	0.000500	0.000128		1	09/19/23 07:49	09/19/23 22:16	91-20-3	J
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 07:49	09/19/23 22:16	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 07:49	09/19/23 22:16	129-00-0	
2-Methylnaphthalene	**0.000140J**	mg/L	0.000500	0.0000280		1	09/19/23 07:49	09/19/23 22:16	91-57-6	J
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/19/23 07:49	09/19/23 22:16	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	89.5	%	11.0-135			1	09/19/23 07:49	09/19/23 22:16	4165-60-0	
2-Fluorobiphenyl (S)	85.3	%	32.0-120			1	09/19/23 07:49	09/19/23 22:16	321-60-8	
Terphenyl-d14 (S)	95.3	%	23.0-122			1	09/19/23 07:49	09/19/23 22:16	1718-51-0	

Sample: B-9 (0-2) **Lab ID: 20289352002** Collected: 09/13/23 10:34 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 17:54		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 17:54		
Aliphatic (>C16-C35)	**3.41J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 17:54	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:42		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:42		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:42		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (0-2) **Lab ID: 20289352002** Collected: 09/13/23 10:34 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:42		
Surrogates										
o-Terphenyl (S)	72.8	%	40.0-140			1	09/20/23 12:51	09/21/23 21:42	84-15-1	
1-Chloro-octadecane (S)	62.8	%	40.0-140			1	09/20/23 12:51	09/21/23 17:54		
2-Fluorobiphenyl (S)	83.3	%	40.0-140			1	09/20/23 12:51	09/21/23 21:42	321-60-8	
2-Bromonaphthalene (S)	83.3	%	40.0-140			1	09/20/23 12:51	09/21/23 21:42	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4020	883	1200000	1	09/15/23 08:30	09/20/23 11:56		
Aliphatic (>C08-C10)	ND	ug/kg	3310	1100	120000	1	09/15/23 08:30	09/20/23 11:56		
Aromatic (>C08-C10)	ND	ug/kg	3310	318	65000	1	09/15/23 08:30	09/20/23 11:56		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/15/23 08:30	09/20/23 11:56	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**6.3**	mg/kg	0.86	0.41	12	1	09/15/23 11:40	09/19/23 14:36	7440-38-2	
Barium	**148**	mg/kg	17.2	0.84	550	1	09/15/23 11:40	09/19/23 14:36	7440-39-3	M1
Cadmium	ND	mg/kg	0.43	0.061	3.9	1	09/15/23 11:40	09/19/23 14:36	7440-43-9	
Chromium	**15.4**	mg/kg	0.86	0.39	100	1	09/15/23 11:40	09/19/23 14:36	7440-47-3	
Lead	**17.9**	mg/kg	0.43	0.28	100	1	09/15/23 11:40	09/19/23 14:36	7439-92-1	
Selenium	**0.59J**	mg/kg	1.7	0.51	20	1	09/15/23 11:40	09/19/23 14:36	7782-49-2	
Silver	ND	mg/kg	0.86	0.22	39	1	09/15/23 11:40	09/19/23 14:36	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.030**	mg/kg	0.016	0.011		1	09/15/23 11:44	09/15/23 21:17	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 13:03	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 13:03	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 13:03	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 13:03	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 13:03	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 13:03	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 13:03	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 13:03	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 13:03	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 13:03	206-44-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (0-2) **Lab ID: 20289352002** Collected: 09/13/23 10:34 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 13:03	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 13:03	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 13:03	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 13:03	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 13:03	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 13:03	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 13:03	91-58-7	
Surrogates										
Terphenyl-d14 (S)	65.2	%	23.0-120			1	09/22/23 06:58	09/22/23 13:03	1718-51-0	
Nitrobenzene-d5 (S)	77.6	%	14.0-149			1	09/22/23 06:58	09/22/23 13:03	4165-60-0	
2-Fluorobiphenyl (S)	75.3	%	34.0-125			1	09/22/23 06:58	09/22/23 13:03	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0052J**	mg/kg	0.0090	0.0040	1.5	1	09/21/23 08:30	09/21/23 14:36	67-64-1	
Benzene	ND	mg/kg	0.0045	0.0013	.051	1	09/21/23 08:30	09/21/23 14:36	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0014	.92	1	09/21/23 08:30	09/21/23 14:36	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/21/23 08:30	09/21/23 14:36	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/21/23 08:30	09/21/23 14:36	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0090	0.0026	5	1	09/21/23 08:30	09/21/23 14:36	78-93-3	
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/21/23 08:30	09/21/23 14:36	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00097	.11	1	09/21/23 08:30	09/21/23 14:36	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/21/23 08:30	09/21/23 14:36	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/21/23 08:30	09/21/23 14:36	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/21/23 08:30	09/21/23 14:36	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/21/23 08:30	09/21/23 14:36	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/21/23 08:30	09/21/23 14:36	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/21/23 08:30	09/21/23 14:36	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0014	7.5	1	09/21/23 08:30	09/21/23 14:36	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0013	.035	1	09/21/23 08:30	09/21/23 14:36	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/21/23 08:30	09/21/23 14:36	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0013	.49	1	09/21/23 08:30	09/21/23 14:36	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0011	.77	1	09/21/23 08:30	09/21/23 14:36	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/21/23 08:30	09/21/23 14:36	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/21/23 08:30	09/21/23 14:36	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0014	.04	1	09/21/23 08:30	09/21/23 14:36	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0013	19	1	09/21/23 08:30	09/21/23 14:36	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.033	30	1	09/21/23 08:30	09/21/23 14:36	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0042	.017	1	09/21/23 08:30	09/21/23 14:36	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0090	0.0017	6.4	1	09/21/23 08:30	09/21/23 14:36	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/21/23 08:30	09/21/23 14:36	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (0-2) **Lab ID: 20289352002** Collected: 09/13/23 10:34 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Styrene	ND	mg/kg	0.0045	0.0015	11	1	09/21/23 08:30	09/21/23 14:36	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/21/23 08:30	09/21/23 14:36	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/21/23 08:30	09/21/23 14:36	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/21/23 08:30	09/21/23 14:36	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/21/23 08:30	09/21/23 14:36	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0014	14	1	09/21/23 08:30	09/21/23 14:36	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/21/23 08:30	09/21/23 14:36	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0014	.058	1	09/21/23 08:30	09/21/23 14:36	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/21/23 08:30	09/21/23 14:36	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/21/23 08:30	09/21/23 14:36	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.0010	.013	1	09/21/23 08:30	09/21/23 14:36	75-01-4	
m&p-Xylene	ND	mg/kg	0.0090	0.0029	18	1	09/21/23 08:30	09/21/23 14:36	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/21/23 08:30	09/21/23 14:36	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/21/23 08:30	09/21/23 14:36	2037-26-5	
4-Bromofluorobenzene (S)	142	%.	64-139			1	09/21/23 08:30	09/21/23 14:36	460-00-4	S3
Dibromofluoromethane (S)	113	%.	66-143			1	09/21/23 08:30	09/21/23 14:36	1868-53-7	

Sample: B-9 (5-7) **Lab ID: 20289352003** Collected: 09/13/23 10:25 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 18:18		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 18:18		
Aliphatic (>C16-C35)	**2.50J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 18:18	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:18		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:18		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:18		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 21:18		
Surrogates										
o-Terphenyl (S)	73.3	%	40.0-140			1	09/20/23 12:51	09/21/23 21:18	84-15-1	
1-Chloro-octadecane (S)	70.0	%	40.0-140			1	09/20/23 12:51	09/21/23 18:18		
2-Fluorobiphenyl (S)	80.6	%	40.0-140			1	09/20/23 12:51	09/21/23 21:18	321-60-8	
2-Bromonaphthalene (S)	81.8	%	40.0-140			1	09/20/23 12:51	09/21/23 21:18	580-13-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (5-7) **Lab ID: 20289352003** Collected: 09/13/23 10:25 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4200	921	1200000	1	09/15/23 08:30	09/20/23 12:22		
Aliphatic (>C08-C10)	ND	ug/kg	3460	1150	120000	1	09/15/23 08:30	09/20/23 12:22		
Aromatic (>C08-C10)	ND	ug/kg	3460	331	65000	1	09/15/23 08:30	09/20/23 12:22		
Surrogates										
4-Bromofluorobenzene (S)	91	%.	63-133			1	09/15/23 08:30	09/20/23 12:22	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.5**	mg/kg	0.85	0.41	12	1	09/15/23 11:40	09/19/23 16:23	7440-38-2	
Barium	**153**	mg/kg	16.9	0.83	550	1	09/15/23 11:40	09/19/23 16:23	7440-39-3	
Cadmium	ND	mg/kg	0.42	0.060	3.9	1	09/15/23 11:40	09/19/23 16:23	7440-43-9	
Chromium	**11.9**	mg/kg	0.85	0.38	100	1	09/15/23 11:40	09/19/23 16:23	7440-47-3	
Lead	**6.5**	mg/kg	0.42	0.27	100	1	09/15/23 11:40	09/19/23 16:23	7439-92-1	
Selenium	**0.83J**	mg/kg	1.7	0.50	20	1	09/15/23 11:40	09/19/23 16:23	7782-49-2	
Silver	ND	mg/kg	0.85	0.22	39	1	09/15/23 11:40	09/19/23 16:23	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.027**	mg/kg	0.019	0.013		1	09/15/23 11:44	09/15/23 21:20	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 13:20	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 13:20	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 13:20	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 13:20	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 13:20	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 13:20	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 13:20	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 13:20	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 13:20	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 13:20	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 13:20	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 13:20	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 13:20	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 13:20	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 13:20	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 13:20	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 13:20	91-58-7	
Surrogates										
Terphenyl-d14 (S)	76.0	%	23.0-120			1	09/22/23 06:58	09/22/23 13:20	1718-51-0	
Nitrobenzene-d5 (S)	79.6	%	14.0-149			1	09/22/23 06:58	09/22/23 13:20	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (5-7) **Lab ID: 20289352003** Collected: 09/13/23 10:25 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
2-Fluorobiphenyl (S)	79.1	%	34.0-125			1	09/22/23 06:58	09/22/23 13:20	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0091	0.0040	1.5	1	09/21/23 08:30	09/21/23 14:55	67-64-1	
Benzene	ND	mg/kg	0.0046	0.0013	.051	1	09/21/23 08:30	09/21/23 14:55	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0046	0.0014	.92	1	09/21/23 08:30	09/21/23 14:55	75-27-4	
Bromoform	ND	mg/kg	0.0046	0.0015	1.8	1	09/21/23 08:30	09/21/23 14:55	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0013	.04	1	09/21/23 08:30	09/21/23 14:55	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0091	0.0027	5	1	09/21/23 08:30	09/21/23 14:55	78-93-3	
Carbon disulfide	ND	mg/kg	0.0046	0.0013	11	1	09/21/23 08:30	09/21/23 14:55	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.00098	.11	1	09/21/23 08:30	09/21/23 14:55	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0013	3	1	09/21/23 08:30	09/21/23 14:55	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0011	.035	1	09/21/23 08:30	09/21/23 14:55	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0013	.044	1	09/21/23 08:30	09/21/23 14:55	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0011	.1	1	09/21/23 08:30	09/21/23 14:55	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0046	0.0016	.01	1	09/21/23 08:30	09/21/23 14:55	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0046	0.0015	1	1	09/21/23 08:30	09/21/23 14:55	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0014	7.5	1	09/21/23 08:30	09/21/23 14:55	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0014	.035	1	09/21/23 08:30	09/21/23 14:55	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0013	.085	1	09/21/23 08:30	09/21/23 14:55	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0013	.49	1	09/21/23 08:30	09/21/23 14:55	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0012	.77	1	09/21/23 08:30	09/21/23 14:55	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0014	.042	1	09/21/23 08:30	09/21/23 14:55	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0014	.04	1	09/21/23 08:30	09/21/23 14:55	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0015	.04	1	09/21/23 08:30	09/21/23 14:55	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0013	19	1	09/21/23 08:30	09/21/23 14:55	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.033	30	1	09/21/23 08:30	09/21/23 14:55	78-83-1	
Methylene Chloride	ND	mg/kg	0.0046	0.0042	.017	1	09/21/23 08:30	09/21/23 14:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0091	0.0017	6.4	1	09/21/23 08:30	09/21/23 14:55	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	.077	1	09/21/23 08:30	09/21/23 14:55	1634-04-4	
Styrene	ND	mg/kg	0.0046	0.0015	11	1	09/21/23 08:30	09/21/23 14:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0014	.046	1	09/21/23 08:30	09/21/23 14:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0017	.006	1	09/21/23 08:30	09/21/23 14:55	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0013	.18	1	09/21/23 08:30	09/21/23 14:55	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0019	20	1	09/21/23 08:30	09/21/23 14:55	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0014	14	1	09/21/23 08:30	09/21/23 14:55	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0011	4	1	09/21/23 08:30	09/21/23 14:55	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0014	.058	1	09/21/23 08:30	09/21/23 14:55	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0013	.073	1	09/21/23 08:30	09/21/23 14:55	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0011	37	1	09/21/23 08:30	09/21/23 14:55	75-69-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (5-7) **Lab ID: 20289352003** Collected: 09/13/23 10:25 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Vinyl chloride	ND	mg/kg	0.0018	0.0010	.013	1	09/21/23 08:30	09/21/23 14:55	75-01-4	
m&p-Xylene	ND	mg/kg	0.0091	0.0030	18	1	09/21/23 08:30	09/21/23 14:55	179601-23-1	
o-Xylene	ND	mg/kg	0.0046	0.0014	18	1	09/21/23 08:30	09/21/23 14:55	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 14:55	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	64-139			1	09/21/23 08:30	09/21/23 14:55	460-00-4	
Dibromofluoromethane (S)	108	%.	66-143			1	09/21/23 08:30	09/21/23 14:55	1868-53-7	

Sample: B-9 (14-16) **Lab ID: 20289352004** Collected: 09/13/23 10:18 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 18:48		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 18:48		
Aliphatic (>C16-C35)	**2.30J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 18:48	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:54		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:54		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:54		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:54		
Surrogates										
o-Terphenyl (S)	55.7	%	40.0-140			1	09/20/23 12:51	09/21/23 20:54	84-15-1	
1-Chloro-octadecane (S)	54.7	%	40.0-140			1	09/20/23 12:51	09/21/23 18:48		
2-Fluorobiphenyl (S)	66.0	%	40.0-140			1	09/20/23 12:51	09/21/23 20:54	321-60-8	
2-Bromonaphthalene (S)	67.0	%	40.0-140			1	09/20/23 12:51	09/21/23 20:54	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4340	951	1200000	1	09/15/23 08:30	09/20/23 12:48		
Aliphatic (>C08-C10)	ND	ug/kg	3570	1190	120000	1	09/15/23 08:30	09/20/23 12:48		
Aromatic (>C08-C10)	ND	ug/kg	3570	342	65000	1	09/15/23 08:30	09/20/23 12:48		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/15/23 08:30	09/20/23 12:48	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**1.8**	mg/kg	0.98	0.47	12	1	09/15/23 11:40	09/19/23 16:26	7440-38-2	
Barium	**96.4**	mg/kg	19.6	0.96	550	1	09/15/23 11:40	09/19/23 16:26	7440-39-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (14-16) **Lab ID: 20289352004** Collected: 09/13/23 10:18 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Cadmium	ND	mg/kg	0.49	0.070	3.9	1	09/15/23 11:40	09/19/23 16:26	7440-43-9	
Chromium	**9.7**	mg/kg	0.98	0.44	100	1	09/15/23 11:40	09/19/23 16:26	7440-47-3	
Lead	**5.9**	mg/kg	0.49	0.31	100	1	09/15/23 11:40	09/19/23 16:26	7439-92-1	
Selenium	ND	mg/kg	2.0	0.58	20	1	09/15/23 11:40	09/19/23 16:26	7782-49-2	
Silver	ND	mg/kg	0.98	0.25	39	1	09/15/23 11:40	09/19/23 16:26	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.018**	mg/kg	0.015	0.010		1	09/15/23 11:44	09/15/23 21:22	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 13:37	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 13:37	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 13:37	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 13:37	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 13:37	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 13:37	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 13:37	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 13:37	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 13:37	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 13:37	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 13:37	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 13:37	193-39-5	
Naphthalene	**0.00595J**	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 13:37	91-20-3	J
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 13:37	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 13:37	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 13:37	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 13:37	91-58-7	
Surrogates										
Terphenyl-d14 (S)	68.7	%	23.0-120			1	09/22/23 06:58	09/22/23 13:37	1718-51-0	
Nitrobenzene-d5 (S)	70.9	%	14.0-149			1	09/22/23 06:58	09/22/23 13:37	4165-60-0	
2-Fluorobiphenyl (S)	69.8	%	34.0-125			1	09/22/23 06:58	09/22/23 13:37	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0082J**	mg/kg	0.011	0.0047	1.5	1	09/21/23 08:30	09/21/23 15:14	67-64-1	
Benzene	ND	mg/kg	0.0054	0.0015	.051	1	09/21/23 08:30	09/21/23 15:14	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0054	0.0016	.92	1	09/21/23 08:30	09/21/23 15:14	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0018	1.8	1	09/21/23 08:30	09/21/23 15:14	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0015	.04	1	09/21/23 08:30	09/21/23 15:14	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.011	0.0031	5	1	09/21/23 08:30	09/21/23 15:14	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-9 (14-16) **Lab ID: 20289352004** Collected: 09/13/23 10:18 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Carbon disulfide	ND	mg/kg	0.0054	0.0016	11	1	09/21/23 08:30	09/21/23 15:14	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0011	.11	1	09/21/23 08:30	09/21/23 15:14	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0016	3	1	09/21/23 08:30	09/21/23 15:14	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0013	.035	1	09/21/23 08:30	09/21/23 15:14	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0015	.044	1	09/21/23 08:30	09/21/23 15:14	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0013	.1	1	09/21/23 08:30	09/21/23 15:14	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0054	0.0019	.01	1	09/21/23 08:30	09/21/23 15:14	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0054	0.0017	1	1	09/21/23 08:30	09/21/23 15:14	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0016	7.5	1	09/21/23 08:30	09/21/23 15:14	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0016	.035	1	09/21/23 08:30	09/21/23 15:14	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0015	.085	1	09/21/23 08:30	09/21/23 15:14	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0015	.49	1	09/21/23 08:30	09/21/23 15:14	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0014	.77	1	09/21/23 08:30	09/21/23 15:14	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0016	.042	1	09/21/23 08:30	09/21/23 15:14	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0016	.04	1	09/21/23 08:30	09/21/23 15:14	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0017	.04	1	09/21/23 08:30	09/21/23 15:14	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0015	19	1	09/21/23 08:30	09/21/23 15:14	100-41-4	
Isobutanol	ND	mg/kg	0.27	0.039	30	1	09/21/23 08:30	09/21/23 15:14	78-83-1	
Methylene Chloride	ND	mg/kg	0.0054	0.0050	.017	1	09/21/23 08:30	09/21/23 15:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.011	0.0020	6.4	1	09/21/23 08:30	09/21/23 15:14	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0015	.077	1	09/21/23 08:30	09/21/23 15:14	1634-04-4	
Styrene	ND	mg/kg	0.0054	0.0017	11	1	09/21/23 08:30	09/21/23 15:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0016	.046	1	09/21/23 08:30	09/21/23 15:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0020	.006	1	09/21/23 08:30	09/21/23 15:14	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0054	0.0015	.18	1	09/21/23 08:30	09/21/23 15:14	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0023	20	1	09/21/23 08:30	09/21/23 15:14	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0016	14	1	09/21/23 08:30	09/21/23 15:14	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0013	4	1	09/21/23 08:30	09/21/23 15:14	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0016	.058	1	09/21/23 08:30	09/21/23 15:14	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0015	.073	1	09/21/23 08:30	09/21/23 15:14	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0013	37	1	09/21/23 08:30	09/21/23 15:14	75-69-4	
Vinyl chloride	ND	mg/kg	0.0021	0.0012	.013	1	09/21/23 08:30	09/21/23 15:14	75-01-4	
m&p-Xylene	ND	mg/kg	0.011	0.0035	18	1	09/21/23 08:30	09/21/23 15:14	179601-23-1	
o-Xylene	ND	mg/kg	0.0054	0.0017	18	1	09/21/23 08:30	09/21/23 15:14	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 15:14	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	64-139			1	09/21/23 08:30	09/21/23 15:14	460-00-4	
Dibromofluoromethane (S)	105	%.	66-143			1	09/21/23 08:30	09/21/23 15:14	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (0-2) **Lab ID: 20289352005** Collected: 09/13/23 11:17 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 19:12		
Aliphatic (>C12-C16)	**1.78J**	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 19:12		J
Aliphatic (>C16-C35)	**15.1J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 19:12	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:30		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:30		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:30		
Aromatic (>C21-C35)	**3.04J**	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:30		J
Surrogates										
o-Terphenyl (S)	73.6	%	40.0-140			1	09/20/23 12:51	09/21/23 20:30	84-15-1	
1-Chloro-octadecane (S)	75.4	%	40.0-140			1	09/20/23 12:51	09/21/23 19:12		
2-Fluorobiphenyl (S)	80.9	%	40.0-140			1	09/20/23 12:51	09/21/23 20:30	321-60-8	
2-Bromonaphthalene (S)	82.0	%	40.0-140			1	09/20/23 12:51	09/21/23 20:30	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4230	1790	1200000	1	09/15/23 08:30	09/15/23 10:52		
Aliphatic (>C08-C10)	ND	ug/kg	3490	2080	120000	1	09/15/23 08:30	09/15/23 10:52		
Aromatic (>C08-C10)	ND	ug/kg	3490	1430	65000	1	09/15/23 08:30	09/15/23 10:52		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/15/23 08:30	09/15/23 10:52	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.6	0.39	3.1	1	09/15/23 11:40	09/19/23 16:30	7440-36-0	
Arsenic	**4.2**	mg/kg	0.88	0.42	12	1	09/15/23 11:40	09/19/23 16:30	7440-38-2	
Barium	**134**	mg/kg	17.5	0.86	550	1	09/15/23 11:40	09/19/23 16:30	7440-39-3	
Beryllium	**0.65**	mg/kg	0.44	0.064	8	1	09/15/23 11:40	09/19/23 16:30	7440-41-7	
Cadmium	ND	mg/kg	0.44	0.062	3.9	1	09/15/23 11:40	09/19/23 16:30	7440-43-9	
Chromium	**17.3**	mg/kg	0.88	0.39	100	1	09/15/23 11:40	09/19/23 16:30	7440-47-3	
Cobalt	**7.1**	mg/kg	0.88	0.18	470	1	09/15/23 11:40	09/19/23 16:30	7440-48-4	
Copper	**19.4**	mg/kg	0.88	0.21	310	1	09/15/23 11:40	09/19/23 16:30	7440-50-8	
Lead	**18.5**	mg/kg	0.44	0.28	100	1	09/15/23 11:40	09/19/23 16:30	7439-92-1	
Nickel	**16.8**	mg/kg	3.5	2.8	160	1	09/15/23 11:40	09/19/23 16:30	7440-02-0	
Selenium	**0.98J**	mg/kg	1.8	0.51	20	1	09/15/23 11:40	09/19/23 16:30	7782-49-2	
Silver	ND	mg/kg	0.88	0.23	39	1	09/15/23 11:40	09/19/23 16:30	7440-22-4	
Thallium	ND	mg/kg	0.44	0.34	.55	1	09/15/23 11:40	09/19/23 16:30	7440-28-0	
Vanadium	**33.4**	mg/kg	4.4	1.8	55	1	09/15/23 11:40	09/19/23 16:30	7440-62-2	
Zinc	**63.1**	mg/kg	4.4	2.2	2300	1	09/15/23 11:40	09/19/23 16:30	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (0-2) **Lab ID: 20289352005** Collected: 09/13/23 11:17 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.063**	mg/kg	0.014	0.0093		1	09/15/23 11:44	09/15/23 21:24	7439-97-6	M1
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 18:55	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 18:55	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 18:55	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 18:55	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 18:55	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 18:55	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 18:55	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 18:55	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 18:55	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 18:55	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 18:55	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 18:55	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 18:55	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 18:55	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 18:55	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 18:55	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 18:55	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 18:55	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 18:55	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 18:55	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 18:55	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 18:55	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 18:55	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 18:55	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 18:55	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 18:55	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 18:55	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 18:55	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 18:55	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 18:55	78-59-1	
2-Methylnaphthalene	**0.00706J**	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 18:55	91-57-6	J
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 18:55	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 18:55	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 18:55	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 18:55	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 18:55	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 18:55	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 18:55	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (0-2) **Lab ID: 20289352005** Collected: 09/13/23 11:17 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	**0.00725J**	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 18:55	85-01-8	J
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 18:55	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 18:55	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 18:55	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 18:55	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 18:55	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 18:55	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 18:55	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 18:55	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 18:55	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 18:55	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 18:55	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 18:55	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 18:55	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 18:55	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 18:55	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 18:55	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 18:55	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 18:55	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 18:55	88-85-7	
Surrogates										
2-Fluorophenol (S)	52.0	%	12.0-120			1	09/21/23 05:47	09/21/23 18:55	367-12-4	
Phenol-d5 (S)	47.4	%	10.0-120			1	09/21/23 05:47	09/21/23 18:55	4165-62-2	
Nitrobenzene-d5 (S)	45.5	%	10.0-122			1	09/21/23 05:47	09/21/23 18:55	4165-60-0	
2-Fluorobiphenyl (S)	46.1	%	15.0-120			1	09/21/23 05:47	09/21/23 18:55	321-60-8	
2,4,6-Tribromophenol (S)	59.5	%	10.0-127			1	09/21/23 05:47	09/21/23 18:55	118-79-6	
Terphenyl-d14 (S)	53.6	%	10.0-120			1	09/21/23 05:47	09/21/23 18:55	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.011**	mg/kg	0.0083	0.0037	1.5	1	09/21/23 08:30	09/21/23 15:34	67-64-1	
Benzene	ND	mg/kg	0.0042	0.0012	.051	1	09/21/23 08:30	09/21/23 15:34	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0042	0.0013	.92	1	09/21/23 08:30	09/21/23 15:34	75-27-4	
Bromoform	ND	mg/kg	0.0042	0.0014	1.8	1	09/21/23 08:30	09/21/23 15:34	75-25-2	
Bromomethane	ND	mg/kg	0.0042	0.0012	.04	1	09/21/23 08:30	09/21/23 15:34	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0083	0.0024	5	1	09/21/23 08:30	09/21/23 15:34	78-93-3	
Carbon disulfide	ND	mg/kg	0.0042	0.0012	11	1	09/21/23 08:30	09/21/23 15:34	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0042	0.00089	.11	1	09/21/23 08:30	09/21/23 15:34	56-23-5	
Chlorobenzene	ND	mg/kg	0.0042	0.0012	3	1	09/21/23 08:30	09/21/23 15:34	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (0-2) **Lab ID: 20289352005** Collected: 09/13/23 11:17 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0042	0.0010	.035	1	09/21/23 08:30	09/21/23 15:34	75-00-3	
Chloroform	ND	mg/kg	0.0042	0.0012	.044	1	09/21/23 08:30	09/21/23 15:34	67-66-3	
Chloromethane	ND	mg/kg	0.0042	0.0010	.1	1	09/21/23 08:30	09/21/23 15:34	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0042	0.0015	.01	1	09/21/23 08:30	09/21/23 15:34	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0042	0.0013	1	1	09/21/23 08:30	09/21/23 15:34	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0042	0.0013	7.5	1	09/21/23 08:30	09/21/23 15:34	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0042	0.0012	.035	1	09/21/23 08:30	09/21/23 15:34	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0042	0.0011	.085	1	09/21/23 08:30	09/21/23 15:34	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0012	.49	1	09/21/23 08:30	09/21/23 15:34	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0042	0.0011	.77	1	09/21/23 08:30	09/21/23 15:34	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0042	0.0013	.042	1	09/21/23 08:30	09/21/23 15:34	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0012	.04	1	09/21/23 08:30	09/21/23 15:34	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0042	0.0013	.04	1	09/21/23 08:30	09/21/23 15:34	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0042	0.0012	19	1	09/21/23 08:30	09/21/23 15:34	100-41-4	
Isobutanol	ND	mg/kg	0.21	0.030	30	1	09/21/23 08:30	09/21/23 15:34	78-83-1	
Methylene Chloride	ND	mg/kg	0.0042	0.0039	.017	1	09/21/23 08:30	09/21/23 15:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0083	0.0016	6.4	1	09/21/23 08:30	09/21/23 15:34	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0042	0.0012	.077	1	09/21/23 08:30	09/21/23 15:34	1634-04-4	
Styrene	ND	mg/kg	0.0042	0.0013	11	1	09/21/23 08:30	09/21/23 15:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0012	.046	1	09/21/23 08:30	09/21/23 15:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0042	0.0016	.006	1	09/21/23 08:30	09/21/23 15:34	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0042	0.0012	.18	1	09/21/23 08:30	09/21/23 15:34	127-18-4	
Toluene	ND	mg/kg	0.0042	0.0018	20	1	09/21/23 08:30	09/21/23 15:34	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0042	0.0013	14	1	09/21/23 08:30	09/21/23 15:34	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0042	0.0010	4	1	09/21/23 08:30	09/21/23 15:34	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0042	0.0013	.058	1	09/21/23 08:30	09/21/23 15:34	79-00-5	
Trichloroethene	ND	mg/kg	0.0042	0.0012	.073	1	09/21/23 08:30	09/21/23 15:34	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0042	0.0010	37	1	09/21/23 08:30	09/21/23 15:34	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00093	.013	1	09/21/23 08:30	09/21/23 15:34	75-01-4	
m&p-Xylene	ND	mg/kg	0.0083	0.0027	18	1	09/21/23 08:30	09/21/23 15:34	179601-23-1	
o-Xylene	ND	mg/kg	0.0042	0.0013	18	1	09/21/23 08:30	09/21/23 15:34	95-47-6	
Surrogates										
Toluene-d8 (S)	102	%.	75-125			1	09/21/23 08:30	09/21/23 15:34	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	64-139			1	09/21/23 08:30	09/21/23 15:34	460-00-4	
Dibromofluoromethane (S)	108	%.	66-143			1	09/21/23 08:30	09/21/23 15:34	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (2-4) **Lab ID: 20289352006** Collected: 09/13/23 11:36 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 19:37		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 19:37		
Aliphatic (>C16-C35)	**2.59J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 19:37	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:01		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:01		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:01		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 20:01		
Surrogates										
o-Terphenyl (S)	64.1	%	40.0-140			1	09/20/23 12:51	09/21/23 20:01	84-15-1	
1-Chloro-octadecane (S)	62.7	%	40.0-140			1	09/20/23 12:51	09/21/23 19:37		
2-Fluorobiphenyl (S)	82.6	%	40.0-140			1	09/20/23 12:51	09/21/23 20:01	321-60-8	
2-Bromonaphthalene (S)	83.2	%	40.0-140			1	09/20/23 12:51	09/21/23 20:01	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3640	1540	1200000	1	09/15/23 08:30	09/15/23 11:15		
Aliphatic (>C08-C10)	ND	ug/kg	3000	1790	120000	1	09/15/23 08:30	09/15/23 11:15		
Aromatic (>C08-C10)	ND	ug/kg	3000	1230	65000	1	09/15/23 08:30	09/15/23 11:15		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/15/23 08:30	09/15/23 11:15	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.9	0.44	3.1	1	09/15/23 11:40	09/19/23 16:34	7440-36-0	
Arsenic	**2.2**	mg/kg	0.98	0.47	12	1	09/15/23 11:40	09/19/23 16:34	7440-38-2	
Barium	**155**	mg/kg	19.6	0.96	550	1	09/15/23 11:40	09/19/23 16:34	7440-39-3	
Beryllium	**0.64**	mg/kg	0.49	0.072	8	1	09/15/23 11:40	09/19/23 16:34	7440-41-7	
Cadmium	ND	mg/kg	0.49	0.070	3.9	1	09/15/23 11:40	09/19/23 16:34	7440-43-9	
Chromium	**17.8**	mg/kg	0.98	0.44	100	1	09/15/23 11:40	09/19/23 16:34	7440-47-3	
Cobalt	**7.2**	mg/kg	0.98	0.21	470	1	09/15/23 11:40	09/19/23 16:34	7440-48-4	
Copper	**13.7**	mg/kg	0.98	0.24	310	1	09/15/23 11:40	09/19/23 16:34	7440-50-8	
Lead	**10.3**	mg/kg	0.49	0.31	100	1	09/15/23 11:40	09/19/23 16:34	7439-92-1	
Nickel	**15.1**	mg/kg	3.9	3.1	160	1	09/15/23 11:40	09/19/23 16:34	7440-02-0	
Selenium	ND	mg/kg	2.0	0.58	20	1	09/15/23 11:40	09/19/23 16:34	7782-49-2	
Silver	ND	mg/kg	0.98	0.25	39	1	09/15/23 11:40	09/19/23 16:34	7440-22-4	
Thallium	**0.58**	mg/kg	0.49	0.38	.55	1	09/15/23 11:40	09/19/23 16:34	7440-28-0	
Vanadium	**33.9**	mg/kg	4.9	2.0	55	1	09/15/23 11:40	09/19/23 16:34	7440-62-2	
Zinc	**50.9**	mg/kg	4.9	2.5	2300	1	09/15/23 11:40	09/19/23 16:34	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (2-4) **Lab ID: 20289352006** Collected: 09/13/23 11:36 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.026**	mg/kg	0.018	0.011		1	09/15/23 11:44	09/15/23 21:32	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 14:42	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 14:42	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 14:42	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 14:42	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 14:42	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 14:42	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 14:42	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 14:42	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 14:42	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 14:42	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 14:42	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 14:42	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 14:42	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 14:42	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 14:42	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 14:42	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 14:42	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 14:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 14:42	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 14:42	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 14:42	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 14:42	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 14:42	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 14:42	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 14:42	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 14:42	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 14:42	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 14:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 14:42	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 14:42	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 14:42	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 14:42	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 14:42	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 14:42	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 14:42	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 14:42	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 14:42	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 14:42	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (2-4) **Lab ID: 20289352006** Collected: 09/13/23 11:36 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 14:42	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 14:42	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 14:42	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 14:42	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 14:42	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 14:42	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 14:42	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 14:42	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 14:42	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 14:42	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 14:42	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 14:42	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 14:42	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 14:42	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 14:42	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 14:42	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 14:42	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 14:42	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 14:42	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 14:42	88-85-7	
Surrogates										
2-Fluorophenol (S)	53.3	%	12.0-120			1	09/21/23 05:47	09/21/23 14:42	367-12-4	
Phenol-d5 (S)	48.3	%	10.0-120			1	09/21/23 05:47	09/21/23 14:42	4165-62-2	
Nitrobenzene-d5 (S)	47.0	%	10.0-122			1	09/21/23 05:47	09/21/23 14:42	4165-60-0	
2-Fluorobiphenyl (S)	48.0	%	15.0-120			1	09/21/23 05:47	09/21/23 14:42	321-60-8	
2,4,6-Tribromophenol (S)	64.7	%	10.0-127			1	09/21/23 05:47	09/21/23 14:42	118-79-6	
Terphenyl-d14 (S)	55.2	%	10.0-120			1	09/21/23 05:47	09/21/23 14:42	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0066J**	mg/kg	0.0087	0.0038	1.5	1	09/21/23 08:30	09/21/23 15:53	67-64-1	
Benzene	ND	mg/kg	0.0043	0.0012	.051	1	09/21/23 08:30	09/21/23 15:53	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0043	0.0013	.92	1	09/21/23 08:30	09/21/23 15:53	75-27-4	
Bromoform	ND	mg/kg	0.0043	0.0014	1.8	1	09/21/23 08:30	09/21/23 15:53	75-25-2	
Bromomethane	ND	mg/kg	0.0043	0.0012	.04	1	09/21/23 08:30	09/21/23 15:53	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0087	0.0025	5	1	09/21/23 08:30	09/21/23 15:53	78-93-3	
Carbon disulfide	ND	mg/kg	0.0043	0.0013	11	1	09/21/23 08:30	09/21/23 15:53	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0043	0.00093	.11	1	09/21/23 08:30	09/21/23 15:53	56-23-5	
Chlorobenzene	ND	mg/kg	0.0043	0.0013	3	1	09/21/23 08:30	09/21/23 15:53	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (2-4) **Lab ID: 20289352006** Collected: 09/13/23 11:36 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0043	0.0011	.035	1	09/21/23 08:30	09/21/23 15:53	75-00-3	
Chloroform	ND	mg/kg	0.0043	0.0012	.044	1	09/21/23 08:30	09/21/23 15:53	67-66-3	
Chloromethane	ND	mg/kg	0.0043	0.0010	.1	1	09/21/23 08:30	09/21/23 15:53	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.0016	.01	1	09/21/23 08:30	09/21/23 15:53	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0043	0.0014	1	1	09/21/23 08:30	09/21/23 15:53	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0043	0.0013	7.5	1	09/21/23 08:30	09/21/23 15:53	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0043	0.0013	.035	1	09/21/23 08:30	09/21/23 15:53	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0043	0.0012	.085	1	09/21/23 08:30	09/21/23 15:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0012	.49	1	09/21/23 08:30	09/21/23 15:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0011	.77	1	09/21/23 08:30	09/21/23 15:53	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0043	0.0013	.042	1	09/21/23 08:30	09/21/23 15:53	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0013	.04	1	09/21/23 08:30	09/21/23 15:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0014	.04	1	09/21/23 08:30	09/21/23 15:53	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0043	0.0012	19	1	09/21/23 08:30	09/21/23 15:53	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.031	30	1	09/21/23 08:30	09/21/23 15:53	78-83-1	
Methylene Chloride	ND	mg/kg	0.0043	0.0040	.017	1	09/21/23 08:30	09/21/23 15:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0087	0.0016	6.4	1	09/21/23 08:30	09/21/23 15:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0043	0.0012	.077	1	09/21/23 08:30	09/21/23 15:53	1634-04-4	
Styrene	ND	mg/kg	0.0043	0.0014	11	1	09/21/23 08:30	09/21/23 15:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0013	.046	1	09/21/23 08:30	09/21/23 15:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0017	.006	1	09/21/23 08:30	09/21/23 15:53	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0043	0.0012	.18	1	09/21/23 08:30	09/21/23 15:53	127-18-4	
Toluene	ND	mg/kg	0.0043	0.0018	20	1	09/21/23 08:30	09/21/23 15:53	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	14	1	09/21/23 08:30	09/21/23 15:53	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.0011	4	1	09/21/23 08:30	09/21/23 15:53	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.0013	.058	1	09/21/23 08:30	09/21/23 15:53	79-00-5	
Trichloroethene	ND	mg/kg	0.0043	0.0012	.073	1	09/21/23 08:30	09/21/23 15:53	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0011	37	1	09/21/23 08:30	09/21/23 15:53	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00096	.013	1	09/21/23 08:30	09/21/23 15:53	75-01-4	
m&p-Xylene	ND	mg/kg	0.0087	0.0028	18	1	09/21/23 08:30	09/21/23 15:53	179601-23-1	
o-Xylene	ND	mg/kg	0.0043	0.0013	18	1	09/21/23 08:30	09/21/23 15:53	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 15:53	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	64-139			1	09/21/23 08:30	09/21/23 15:53	460-00-4	
Dibromofluoromethane (S)	108	%.	66-143			1	09/21/23 08:30	09/21/23 15:53	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (5-7) **Lab ID: 20289352007** Collected: 09/13/23 11:21 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 15:48		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 15:48		
Aliphatic (>C16-C35)	**2.18J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 15:48	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/22/23 00:23		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/22/23 00:23		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/22/23 00:23		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/22/23 00:23		
Surrogates										
o-Terphenyl (S)	64.4	%	40.0-140			1	09/20/23 12:51	09/22/23 00:23	84-15-1	
1-Chloro-octadecane (S)	55.9	%	40.0-140			1	09/20/23 12:51	09/21/23 15:48		
2-Fluorobiphenyl (S)	83.1	%	40.0-140			1	09/20/23 12:51	09/22/23 00:23	321-60-8	
2-Bromonaphthalene (S)	82.8	%	40.0-140			1	09/20/23 12:51	09/22/23 00:23	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3680	1560	1200000	1	09/15/23 08:30	09/15/23 11:38		
Aliphatic (>C08-C10)	ND	ug/kg	3030	1800	120000	1	09/15/23 08:30	09/15/23 11:38		
Aromatic (>C08-C10)	ND	ug/kg	3030	1240	65000	1	09/15/23 08:30	09/15/23 11:38		
Surrogates										
4-Bromofluorobenzene (S)	98	%.	63-133			1	09/15/23 08:30	09/15/23 11:38	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	**0.41J**	mg/kg	2.5	0.38	3.1	1	09/15/23 11:40	09/19/23 16:38	7440-36-0	
Arsenic	**6.1**	mg/kg	0.83	0.40	12	1	09/15/23 11:40	09/19/23 16:38	7440-38-2	
Barium	**126**	mg/kg	16.7	0.82	550	1	09/15/23 11:40	09/19/23 16:38	7440-39-3	
Beryllium	**0.44**	mg/kg	0.42	0.061	8	1	09/15/23 11:40	09/19/23 16:38	7440-41-7	
Cadmium	ND	mg/kg	0.42	0.059	3.9	1	09/15/23 11:40	09/19/23 16:38	7440-43-9	
Chromium	**14.0**	mg/kg	0.83	0.38	100	1	09/15/23 11:40	09/19/23 16:38	7440-47-3	
Cobalt	**7.1**	mg/kg	0.83	0.18	470	1	09/15/23 11:40	09/19/23 16:38	7440-48-4	
Copper	**9.9**	mg/kg	0.83	0.20	310	1	09/15/23 11:40	09/19/23 16:38	7440-50-8	
Lead	**8.5**	mg/kg	0.42	0.27	100	1	09/15/23 11:40	09/19/23 16:38	7439-92-1	
Nickel	**13.9**	mg/kg	3.3	2.7	160	1	09/15/23 11:40	09/19/23 16:38	7440-02-0	
Selenium	ND	mg/kg	1.7	0.49	20	1	09/15/23 11:40	09/19/23 16:38	7782-49-2	
Silver	ND	mg/kg	0.83	0.22	39	1	09/15/23 11:40	09/19/23 16:38	7440-22-4	
Thallium	ND	mg/kg	0.42	0.32	.55	1	09/15/23 11:40	09/19/23 16:38	7440-28-0	
Vanadium	**25.1**	mg/kg	4.2	1.7	55	1	09/15/23 11:40	09/19/23 16:38	7440-62-2	
Zinc	**39.9**	mg/kg	4.2	2.1	2300	1	09/15/23 11:40	09/19/23 16:38	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (5-7) **Lab ID: 20289352007** Collected: 09/13/23 11:21 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.025**	mg/kg	0.015	0.010		1	09/15/23 11:44	09/15/23 21:34	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 15:03	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 15:03	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 15:03	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 15:03	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 15:03	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 15:03	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 15:03	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 15:03	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 15:03	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 15:03	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 15:03	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 15:03	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 15:03	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 15:03	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 15:03	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 15:03	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 15:03	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 15:03	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 15:03	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 15:03	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 15:03	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 15:03	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 15:03	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 15:03	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 15:03	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 15:03	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 15:03	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 15:03	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 15:03	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 15:03	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 15:03	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 15:03	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 15:03	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 15:03	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 15:03	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 15:03	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 15:03	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 15:03	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (5-7) **Lab ID: 20289352007** Collected: 09/13/23 11:21 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 15:03	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 15:03	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 15:03	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 15:03	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 15:03	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 15:03	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 15:03	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 15:03	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 15:03	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 15:03	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 15:03	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 15:03	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 15:03	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 15:03	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 15:03	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 15:03	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 15:03	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 15:03	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 15:03	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 15:03	88-85-7	
Surrogates										
2-Fluorophenol (S)	50.5	%	12.0-120			1	09/21/23 05:47	09/21/23 15:03	367-12-4	
Phenol-d5 (S)	45.9	%	10.0-120			1	09/21/23 05:47	09/21/23 15:03	4165-62-2	
Nitrobenzene-d5 (S)	43.8	%	10.0-122			1	09/21/23 05:47	09/21/23 15:03	4165-60-0	
2-Fluorobiphenyl (S)	43.2	%	15.0-120			1	09/21/23 05:47	09/21/23 15:03	321-60-8	
2,4,6-Tribromophenol (S)	55.4	%	10.0-127			1	09/21/23 05:47	09/21/23 15:03	118-79-6	
Terphenyl-d14 (S)	48.9	%	10.0-120			1	09/21/23 05:47	09/21/23 15:03	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0068J**	mg/kg	0.0099	0.0044	1.5	1	09/21/23 08:30	09/21/23 16:11	67-64-1	
Benzene	ND	mg/kg	0.0050	0.0014	.051	1	09/21/23 08:30	09/21/23 16:11	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0050	0.0015	.92	1	09/21/23 08:30	09/21/23 16:11	75-27-4	
Bromoform	ND	mg/kg	0.0050	0.0016	1.8	1	09/21/23 08:30	09/21/23 16:11	75-25-2	
Bromomethane	ND	mg/kg	0.0050	0.0014	.04	1	09/21/23 08:30	09/21/23 16:11	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0099	0.0029	5	1	09/21/23 08:30	09/21/23 16:11	78-93-3	
Carbon disulfide	ND	mg/kg	0.0050	0.0015	11	1	09/21/23 08:30	09/21/23 16:11	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	.11	1	09/21/23 08:30	09/21/23 16:11	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	0.0015	3	1	09/21/23 08:30	09/21/23 16:11	108-90-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (5-7) **Lab ID: 20289352007** Collected: 09/13/23 11:21 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0050	0.0012	.035	1	09/21/23 08:30	09/21/23 16:11	75-00-3	
Chloroform	ND	mg/kg	0.0050	0.0014	.044	1	09/21/23 08:30	09/21/23 16:11	67-66-3	
Chloromethane	ND	mg/kg	0.0050	0.0012	.1	1	09/21/23 08:30	09/21/23 16:11	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0018	.01	1	09/21/23 08:30	09/21/23 16:11	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0050	0.0016	1	1	09/21/23 08:30	09/21/23 16:11	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0015	7.5	1	09/21/23 08:30	09/21/23 16:11	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0015	.035	1	09/21/23 08:30	09/21/23 16:11	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0014	.085	1	09/21/23 08:30	09/21/23 16:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	.49	1	09/21/23 08:30	09/21/23 16:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	.77	1	09/21/23 08:30	09/21/23 16:11	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0015	.042	1	09/21/23 08:30	09/21/23 16:11	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0015	.04	1	09/21/23 08:30	09/21/23 16:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0016	.04	1	09/21/23 08:30	09/21/23 16:11	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	0.0014	19	1	09/21/23 08:30	09/21/23 16:11	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.036	30	1	09/21/23 08:30	09/21/23 16:11	78-83-1	
Methylene Chloride	ND	mg/kg	0.0050	0.0046	.017	1	09/21/23 08:30	09/21/23 16:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0099	0.0019	6.4	1	09/21/23 08:30	09/21/23 16:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	0.0014	.077	1	09/21/23 08:30	09/21/23 16:11	1634-04-4	
Styrene	ND	mg/kg	0.0050	0.0016	11	1	09/21/23 08:30	09/21/23 16:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0015	.046	1	09/21/23 08:30	09/21/23 16:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0019	.006	1	09/21/23 08:30	09/21/23 16:11	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	0.0014	.18	1	09/21/23 08:30	09/21/23 16:11	127-18-4	
Toluene	ND	mg/kg	0.0050	0.0021	20	1	09/21/23 08:30	09/21/23 16:11	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	14	1	09/21/23 08:30	09/21/23 16:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0012	4	1	09/21/23 08:30	09/21/23 16:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0015	.058	1	09/21/23 08:30	09/21/23 16:11	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	0.0014	.073	1	09/21/23 08:30	09/21/23 16:11	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0012	37	1	09/21/23 08:30	09/21/23 16:11	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/21/23 08:30	09/21/23 16:11	75-01-4	
m&p-Xylene	ND	mg/kg	0.0099	0.0032	18	1	09/21/23 08:30	09/21/23 16:11	179601-23-1	
o-Xylene	ND	mg/kg	0.0050	0.0016	18	1	09/21/23 08:30	09/21/23 16:11	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 16:11	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/21/23 08:30	09/21/23 16:11	460-00-4	
Dibromofluoromethane (S)	105	%.	66-143			1	09/21/23 08:30	09/21/23 16:11	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (14-16) **Lab ID: 20289352008** Collected: 09/13/23 11:24 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 16:12		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 16:12		
Aliphatic (>C16-C35)	**2.09J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 16:12	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 23:24		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 23:24		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 23:24		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 23:24		
Surrogates										
o-Terphenyl (S)	68.8	%	40.0-140			1	09/20/23 12:51	09/21/23 23:24	84-15-1	
1-Chloro-octadecane (S)	64.1	%	40.0-140			1	09/20/23 12:51	09/21/23 16:12		
2-Fluorobiphenyl (S)	82.0	%	40.0-140			1	09/20/23 12:51	09/21/23 23:24	321-60-8	
2-Bromonaphthalene (S)	83.3	%	40.0-140			1	09/20/23 12:51	09/21/23 23:24	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4150	1760	1200000	1	09/15/23 08:30	09/15/23 12:01		
Aliphatic (>C08-C10)	ND	ug/kg	3420	2040	120000	1	09/15/23 08:30	09/15/23 12:01		
Aromatic (>C08-C10)	ND	ug/kg	3420	1400	65000	1	09/15/23 08:30	09/15/23 12:01		
Surrogates										
4-Bromofluorobenzene (S)	100	%.	63-133			1	09/15/23 08:30	09/15/23 12:01	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.2	0.34	3.1	1	09/15/23 11:40	09/19/23 16:42	7440-36-0	
Arsenic	**2.2**	mg/kg	0.75	0.36	12	1	09/15/23 11:40	09/19/23 16:42	7440-38-2	
Barium	**104**	mg/kg	14.9	0.73	550	1	09/15/23 11:40	09/19/23 16:42	7440-39-3	
Beryllium	**0.33J**	mg/kg	0.37	0.054	8	1	09/15/23 11:40	09/19/23 16:42	7440-41-7	
Cadmium	ND	mg/kg	0.37	0.053	3.9	1	09/15/23 11:40	09/19/23 16:42	7440-43-9	
Chromium	**10.9**	mg/kg	0.75	0.34	100	1	09/15/23 11:40	09/19/23 16:42	7440-47-3	
Cobalt	**5.0**	mg/kg	0.75	0.16	470	1	09/15/23 11:40	09/19/23 16:42	7440-48-4	
Copper	**8.3**	mg/kg	0.75	0.18	310	1	09/15/23 11:40	09/19/23 16:42	7440-50-8	
Lead	**6.2**	mg/kg	0.37	0.24	100	1	09/15/23 11:40	09/19/23 16:42	7439-92-1	
Nickel	**11.9**	mg/kg	3.0	2.4	160	1	09/15/23 11:40	09/19/23 16:42	7440-02-0	
Selenium	ND	mg/kg	1.5	0.44	20	1	09/15/23 11:40	09/19/23 16:42	7782-49-2	
Silver	ND	mg/kg	0.75	0.19	39	1	09/15/23 11:40	09/19/23 16:42	7440-22-4	
Thallium	**0.36J**	mg/kg	0.37	0.29	.55	1	09/15/23 11:40	09/19/23 16:42	7440-28-0	
Vanadium	**19.8**	mg/kg	3.7	1.5	55	1	09/15/23 11:40	09/19/23 16:42	7440-62-2	
Zinc	**33.2**	mg/kg	3.7	1.9	2300	1	09/15/23 11:40	09/19/23 16:42	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (14-16) **Lab ID: 20289352008** Collected: 09/13/23 11:24 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.018**	mg/kg	0.015	0.0098		1	09/15/23 11:44	09/15/23 21:41	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 17:30	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 17:30	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 17:30	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 17:30	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 17:30	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 17:30	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 17:30	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 17:30	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 17:30	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 17:30	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 17:30	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 17:30	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 17:30	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 17:30	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 17:30	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 17:30	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 17:30	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 17:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 17:30	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 17:30	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 17:30	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 17:30	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 17:30	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 17:30	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 17:30	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 17:30	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 17:30	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 17:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 17:30	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 17:30	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 17:30	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 17:30	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 17:30	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 17:30	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 17:30	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 17:30	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 17:30	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 17:30	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (14-16) **Lab ID: 20289352008** Collected: 09/13/23 11:24 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 17:30	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 17:30	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 17:30	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 17:30	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 17:30	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 17:30	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 17:30	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 17:30	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 17:30	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 17:30	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 17:30	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 17:30	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 17:30	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 17:30	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 17:30	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 17:30	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 17:30	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 17:30	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 17:30	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 17:30	88-85-7	
Surrogates										
2-Fluorophenol (S)	45.0	%	12.0-120			1	09/21/23 05:47	09/21/23 17:30	367-12-4	
Phenol-d5 (S)	41.6	%	10.0-120			1	09/21/23 05:47	09/21/23 17:30	4165-62-2	
Nitrobenzene-d5 (S)	40.2	%	10.0-122			1	09/21/23 05:47	09/21/23 17:30	4165-60-0	
2-Fluorobiphenyl (S)	38.7	%	15.0-120			1	09/21/23 05:47	09/21/23 17:30	321-60-8	
2,4,6-Tribromophenol (S)	54.0	%	10.0-127			1	09/21/23 05:47	09/21/23 17:30	118-79-6	
Terphenyl-d14 (S)	47.4	%	10.0-120			1	09/21/23 05:47	09/21/23 17:30	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0081J**	mg/kg	0.0088	0.0039	1.5	1	09/21/23 08:30	09/21/23 16:30	67-64-1	
Benzene	ND	mg/kg	0.0044	0.0012	.051	1	09/21/23 08:30	09/21/23 16:30	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0044	0.0013	.92	1	09/21/23 08:30	09/21/23 16:30	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0014	1.8	1	09/21/23 08:30	09/21/23 16:30	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0012	.04	1	09/21/23 08:30	09/21/23 16:30	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0088	0.0026	5	1	09/21/23 08:30	09/21/23 16:30	78-93-3	
Carbon disulfide	ND	mg/kg	0.0044	0.0013	11	1	09/21/23 08:30	09/21/23 16:30	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.00094	.11	1	09/21/23 08:30	09/21/23 16:30	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0013	3	1	09/21/23 08:30	09/21/23 16:30	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-10 (14-16) **Lab ID: 20289352008** Collected: 09/13/23 11:24 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0044	0.0011	.035	1	09/21/23 08:30	09/21/23 16:30	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0012	.044	1	09/21/23 08:30	09/21/23 16:30	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0011	.1	1	09/21/23 08:30	09/21/23 16:30	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0016	.01	1	09/21/23 08:30	09/21/23 16:30	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0044	0.0014	1	1	09/21/23 08:30	09/21/23 16:30	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0013	7.5	1	09/21/23 08:30	09/21/23 16:30	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0013	.035	1	09/21/23 08:30	09/21/23 16:30	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0012	.085	1	09/21/23 08:30	09/21/23 16:30	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	.49	1	09/21/23 08:30	09/21/23 16:30	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0011	.77	1	09/21/23 08:30	09/21/23 16:30	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0013	.042	1	09/21/23 08:30	09/21/23 16:30	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0013	.04	1	09/21/23 08:30	09/21/23 16:30	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0014	.04	1	09/21/23 08:30	09/21/23 16:30	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0012	19	1	09/21/23 08:30	09/21/23 16:30	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/21/23 08:30	09/21/23 16:30	78-83-1	
Methylene Chloride	ND	mg/kg	0.0044	0.0041	.017	1	09/21/23 08:30	09/21/23 16:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0088	0.0016	6.4	1	09/21/23 08:30	09/21/23 16:30	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0013	.077	1	09/21/23 08:30	09/21/23 16:30	1634-04-4	
Styrene	ND	mg/kg	0.0044	0.0014	11	1	09/21/23 08:30	09/21/23 16:30	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0013	.046	1	09/21/23 08:30	09/21/23 16:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0017	.006	1	09/21/23 08:30	09/21/23 16:30	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.0013	.18	1	09/21/23 08:30	09/21/23 16:30	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0019	20	1	09/21/23 08:30	09/21/23 16:30	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	14	1	09/21/23 08:30	09/21/23 16:30	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0011	4	1	09/21/23 08:30	09/21/23 16:30	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0013	.058	1	09/21/23 08:30	09/21/23 16:30	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.0013	.073	1	09/21/23 08:30	09/21/23 16:30	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0011	37	1	09/21/23 08:30	09/21/23 16:30	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00098	.013	1	09/21/23 08:30	09/21/23 16:30	75-01-4	
m&p-Xylene	ND	mg/kg	0.0088	0.0028	18	1	09/21/23 08:30	09/21/23 16:30	179601-23-1	
o-Xylene	ND	mg/kg	0.0044	0.0014	18	1	09/21/23 08:30	09/21/23 16:30	95-47-6	
Surrogates										
Toluene-d8 (S)	101	%.	75-125			1	09/21/23 08:30	09/21/23 16:30	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	64-139			1	09/21/23 08:30	09/21/23 16:30	460-00-4	
Dibromofluoromethane (S)	102	%.	66-143			1	09/21/23 08:30	09/21/23 16:30	1868-53-7	

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-11 (0-2) **Lab ID: 20289352009** Collected: 09/13/23 12:40 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 16:36		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 16:36		
Aliphatic (>C16-C35)	**2.47J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 16:36	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:54		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:54		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:54		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:54		
Surrogates										
o-Terphenyl (S)	74.0	%	40.0-140			1	09/20/23 12:51	09/21/23 22:54	84-15-1	
1-Chloro-octadecane (S)	65.6	%	40.0-140			1	09/20/23 12:51	09/21/23 16:36		
2-Fluorobiphenyl (S)	85.8	%	40.0-140			1	09/20/23 12:51	09/21/23 22:54	321-60-8	
2-Bromonaphthalene (S)	86.3	%	40.0-140			1	09/20/23 12:51	09/21/23 22:54	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.4**	mg/kg	0.68	0.32	12	1	09/15/23 11:40	09/19/23 16:46	7440-38-2	
Barium	**122**	mg/kg	13.5	0.66	550	1	09/15/23 11:40	09/19/23 16:46	7440-39-3	
Cadmium	ND	mg/kg	0.34	0.048	3.9	1	09/15/23 11:40	09/19/23 16:46	7440-43-9	
Chromium	**14.3**	mg/kg	0.68	0.30	100	1	09/15/23 11:40	09/19/23 16:46	7440-47-3	
Lead	**7.6**	mg/kg	0.34	0.22	100	1	09/15/23 11:40	09/19/23 16:46	7439-92-1	
Selenium	ND	mg/kg	1.4	0.40	20	1	09/15/23 11:40	09/19/23 16:46	7782-49-2	
Silver	ND	mg/kg	0.68	0.17	39	1	09/15/23 11:40	09/19/23 16:46	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.027**	mg/kg	0.018	0.012		1	09/15/23 11:44	09/15/23 21:44	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 13:55	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 13:55	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 13:55	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 13:55	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 13:55	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 13:55	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 13:55	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 13:55	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 13:55	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 13:55	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 13:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 13:55	193-39-5	

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-11 (0-2) **Lab ID: 20289352009** Collected: 09/13/23 12:40 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 13:55	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 13:55	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 13:55	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 13:55	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 13:55	91-58-7	
Surrogates										
Terphenyl-d14 (S)	75.0	%	23.0-120			1	09/22/23 06:58	09/22/23 13:55	1718-51-0	
Nitrobenzene-d5 (S)	80.5	%	14.0-149			1	09/22/23 06:58	09/22/23 13:55	4165-60-0	
2-Fluorobiphenyl (S)	78.7	%	34.0-125			1	09/22/23 06:58	09/22/23 13:55	321-60-8	

Sample: B-11 (5-7) **Lab ID: 20289352010** Collected: 09/13/23 12:19 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 17:06		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/20/23 12:51	09/21/23 17:06		
Aliphatic (>C16-C35)	**2.37J**	mg/kg	100	1.68		1	09/20/23 12:51	09/21/23 17:06	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:30		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:30		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:30		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/20/23 12:51	09/21/23 22:30		
Surrogates										
o-Terphenyl (S)	73.8	%	40.0-140			1	09/20/23 12:51	09/21/23 22:30	84-15-1	
1-Chloro-octadecane (S)	63.3	%	40.0-140			1	09/20/23 12:51	09/21/23 17:06		
2-Fluorobiphenyl (S)	82.4	%	40.0-140			1	09/20/23 12:51	09/21/23 22:30	321-60-8	
2-Bromonaphthalene (S)	82.4	%	40.0-140			1	09/20/23 12:51	09/21/23 22:30	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**4.9**	mg/kg	0.96	0.46	12	1	09/15/23 11:40	09/19/23 16:50	7440-38-2	
Barium	**109**	mg/kg	19.2	0.94	550	1	09/15/23 11:40	09/19/23 16:50	7440-39-3	
Cadmium	ND	mg/kg	0.48	0.068	3.9	1	09/15/23 11:40	09/19/23 16:50	7440-43-9	
Chromium	**12.4**	mg/kg	0.96	0.43	100	1	09/15/23 11:40	09/19/23 16:50	7440-47-3	
Lead	**8.1**	mg/kg	0.48	0.31	100	1	09/15/23 11:40	09/19/23 16:50	7439-92-1	
Selenium	ND	mg/kg	1.9	0.56	20	1	09/15/23 11:40	09/19/23 16:50	7782-49-2	

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-11 (5-7) **Lab ID: 20289352010** Collected: 09/13/23 12:19 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050								
		Pace Analytical Services - New Orleans								
Silver	ND	mg/kg	0.96	0.25	39	1	09/15/23 11:40	09/19/23 16:50	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471								
		Pace Analytical Services - New Orleans								
Mercury	**0.026**	mg/kg	0.015	0.0098		1	09/15/23 11:44	09/15/23 21:46	7439-97-6	
SVOA (GC/MS) 8270E-SIM		Analytical Method: EPA 8270E by SIM Preparation Method: 3546								
		Pace National - Mt. Juliet								
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 14:12	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 14:12	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 14:12	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 14:12	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 14:12	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 14:12	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 14:12	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 14:12	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 14:12	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 14:12	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 14:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 14:12	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 14:12	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 14:12	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 14:12	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 14:12	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 14:12	91-58-7	
Surrogates										
Terphenyl-d14 (S)	84.8	%	23.0-120			1	09/22/23 06:58	09/22/23 14:12	1718-51-0	
Nitrobenzene-d5 (S)	84.6	%	14.0-149			1	09/22/23 06:58	09/22/23 14:12	4165-60-0	
2-Fluorobiphenyl (S)	84.6	%	34.0-125			1	09/22/23 06:58	09/22/23 14:12	321-60-8	

Sample: B-11 (14-16) **Lab ID: 20289352011** Collected: 09/13/23 12:17 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH		Analytical Method: EPH Preparation Method: MA DEP/NJ DEP								
		Pace National - Mt. Juliet								
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 08:21		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 08:21		
Aliphatic (>C16-C35)	**3.39J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 08:21	TPHC16C35	B,J

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-11 (14-16) **Lab ID: 20289352011** Collected: 09/13/23 12:17 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 03:54		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 03:54		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 03:54		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 03:54		
Surrogates										
o-Terphenyl (S)	71.2	%	40.0-140			1	09/21/23 08:05	09/22/23 03:54	84-15-1	
1-Chloro-octadecane (S)	74.0	%	40.0-140			1	09/21/23 08:05	09/22/23 08:21		
2-Fluorobiphenyl (S)	97.9	%	40.0-140			1	09/21/23 08:05	09/22/23 03:54	321-60-8	
2-Bromonaphthalene (S)	95.6	%	40.0-140			1	09/21/23 08:05	09/22/23 03:54	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.3**	mg/kg	0.94	0.45	12	1	09/15/23 11:40	09/19/23 17:01	7440-38-2	
Barium	**119**	mg/kg	18.9	0.92	550	1	09/15/23 11:40	09/19/23 17:01	7440-39-3	
Cadmium	ND	mg/kg	0.47	0.067	3.9	1	09/15/23 11:40	09/19/23 17:01	7440-43-9	
Chromium	**12.4**	mg/kg	0.94	0.42	100	1	09/15/23 11:40	09/19/23 17:01	7440-47-3	
Lead	**7.6**	mg/kg	0.47	0.30	100	1	09/15/23 11:40	09/19/23 17:01	7439-92-1	
Selenium	**0.60J**	mg/kg	1.9	0.55	20	1	09/15/23 11:40	09/19/23 17:01	7782-49-2	
Silver	ND	mg/kg	0.94	0.24	39	1	09/15/23 11:40	09/19/23 17:01	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.026**	mg/kg	0.017	0.011		1	09/15/23 11:44	09/15/23 21:48	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/22/23 06:58	09/22/23 12:51	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/22/23 06:58	09/22/23 12:51	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/22/23 06:58	09/22/23 12:51	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/22/23 06:58	09/22/23 12:51	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/22/23 06:58	09/22/23 12:51	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/22/23 06:58	09/22/23 12:51	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/22/23 06:58	09/22/23 12:51	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/22/23 06:58	09/22/23 12:51	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/22/23 06:58	09/22/23 12:51	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/22/23 06:58	09/22/23 12:51	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/22/23 06:58	09/22/23 12:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/22/23 06:58	09/22/23 12:51	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/22/23 06:58	09/22/23 12:51	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/22/23 06:58	09/22/23 12:51	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/22/23 06:58	09/22/23 12:51	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-11 (14-16) **Lab ID: 20289352011** Collected: 09/13/23 12:17 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/22/23 06:58	09/22/23 12:51	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/22/23 06:58	09/22/23 12:51	91-58-7	
Surrogates										
Terphenyl-d14 (S)	78.5	%	23.0-120			1	09/22/23 06:58	09/22/23 12:51	1718-51-0	
Nitrobenzene-d5 (S)	82.9	%	14.0-149			1	09/22/23 06:58	09/22/23 12:51	4165-60-0	
2-Fluorobiphenyl (S)	74.5	%	34.0-125			1	09/22/23 06:58	09/22/23 12:51	321-60-8	

Sample: B-12 (0-2) **Lab ID: 20289352012** Collected: 09/13/23 13:40 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 20:53		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 20:53		
Aliphatic (>C16-C35)	**3.31J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 20:53	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:47		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:47		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:47		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:47		
Surrogates										
o-Terphenyl (S)	72.7	%	40.0-140			1	09/21/23 08:05	09/22/23 16:47	84-15-1	
1-Chloro-octadecane (S)	65.3	%	40.0-140			1	09/21/23 08:05	09/22/23 20:53		
2-Fluorobiphenyl (S)	97.3	%	40.0-140			1	09/21/23 08:05	09/22/23 16:47	321-60-8	
2-Bromonaphthalene (S)	98.9	%	40.0-140			1	09/21/23 08:05	09/22/23 16:47	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4000	1690	1200000	1	09/15/23 08:30	09/15/23 12:24		
Aliphatic (>C08-C10)	ND	ug/kg	3300	1960	120000	1	09/15/23 08:30	09/15/23 12:24		
Aromatic (>C08-C10)	ND	ug/kg	3300	1350	65000	1	09/15/23 08:30	09/15/23 12:24		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1	09/15/23 08:30	09/15/23 12:24	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.3	0.34	3.1	1	09/15/23 11:40	09/19/23 17:05	7440-36-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (0-2) **Lab ID: 20289352012** Collected: 09/13/23 13:40 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.7**	mg/kg	0.76	0.36	12	1	09/15/23 11:40	09/19/23 17:05	7440-38-2	
Barium	**141**	mg/kg	15.2	0.74	550	1	09/15/23 11:40	09/19/23 17:05	7440-39-3	
Beryllium	**0.71**	mg/kg	0.38	0.055	8	1	09/15/23 11:40	09/19/23 17:05	7440-41-7	
Cadmium	ND	mg/kg	0.38	0.054	3.9	1	09/15/23 11:40	09/19/23 17:05	7440-43-9	
Chromium	**19.2**	mg/kg	0.76	0.34	100	1	09/15/23 11:40	09/19/23 17:05	7440-47-3	
Cobalt	**6.9**	mg/kg	0.76	0.16	470	1	09/15/23 11:40	09/19/23 17:05	7440-48-4	
Copper	**14.0**	mg/kg	0.76	0.18	310	1	09/15/23 11:40	09/19/23 17:05	7440-50-8	
Lead	**13.5**	mg/kg	0.38	0.24	100	1	09/15/23 11:40	09/19/23 17:05	7439-92-1	
Nickel	**16.1**	mg/kg	3.0	2.4	160	1	09/15/23 11:40	09/19/23 17:05	7440-02-0	
Selenium	ND	mg/kg	1.5	0.44	20	1	09/15/23 11:40	09/19/23 17:05	7782-49-2	
Silver	ND	mg/kg	0.76	0.20	39	1	09/15/23 11:40	09/19/23 17:05	7440-22-4	
Thallium	**0.45**	mg/kg	0.38	0.29	.55	1	09/15/23 11:40	09/19/23 17:05	7440-28-0	
Vanadium	**35.8**	mg/kg	3.8	1.5	55	1	09/15/23 11:40	09/19/23 17:05	7440-62-2	
Zinc	**62.2**	mg/kg	3.8	1.9	2300	1	09/15/23 11:40	09/19/23 17:05	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.043**	mg/kg	0.017	0.011		1	09/15/23 11:44	09/15/23 21:51	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 19:36	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 19:36	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 19:36	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 19:36	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 19:36	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 19:36	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 19:36	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 19:36	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 19:36	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 19:36	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 19:36	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 19:36	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 19:36	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 19:36	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 19:36	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 19:36	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 19:36	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 19:36	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 19:36	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 19:36	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 19:36	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 19:36	606-20-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (0-2) **Lab ID: 20289352012** Collected: 09/13/23 13:40 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 19:36	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 19:36	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 19:36	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 19:36	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 19:36	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 19:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 19:36	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 19:36	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 19:36	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 19:36	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 19:36	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 19:36	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 19:36	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 19:36	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 19:36	86-30-6	
N-Nitroso-di-n-propylamine	**0.0160J**	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 19:36	621-64-7	J
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 19:36	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 19:36	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 19:36	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 19:36	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 19:36	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 19:36	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 19:36	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 19:36	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 19:36	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 19:36	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 19:36	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 19:36	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 19:36	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 19:36	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 19:36	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 19:36	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 19:36	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 19:36	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 19:36	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 19:36	88-85-7	
Surrogates										
2-Fluorophenol (S)	50.9	%	12.0-120			1	09/21/23 05:47	09/21/23 19:36	367-12-4	
Phenol-d5 (S)	48.0	%	10.0-120			1	09/21/23 05:47	09/21/23 19:36	4165-62-2	
Nitrobenzene-d5 (S)	44.1	%	10.0-122			1	09/21/23 05:47	09/21/23 19:36	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (0-2) **Lab ID: 20289352012** Collected: 09/13/23 13:40 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
2-Fluorobiphenyl (S)	46.9	%	15.0-120			1	09/21/23 05:47	09/21/23 19:36	321-60-8	
2,4,6-Tribromophenol (S)	62.0	%	10.0-127			1	09/21/23 05:47	09/21/23 19:36	118-79-6	
Terphenyl-d14 (S)	52.2	%	10.0-120			1	09/21/23 05:47	09/21/23 19:36	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0086**	mg/kg	0.0081	0.0036	1.5	1	09/21/23 08:30	09/21/23 16:49	67-64-1	
Benzene	ND	mg/kg	0.0040	0.0011	.051	1	09/21/23 08:30	09/21/23 16:49	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0040	0.0012	.92	1	09/21/23 08:30	09/21/23 16:49	75-27-4	
Bromoform	ND	mg/kg	0.0040	0.0013	1.8	1	09/21/23 08:30	09/21/23 16:49	75-25-2	
Bromomethane	ND	mg/kg	0.0040	0.0011	.04	1	09/21/23 08:30	09/21/23 16:49	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0081	0.0024	5	1	09/21/23 08:30	09/21/23 16:49	78-93-3	
Carbon disulfide	ND	mg/kg	0.0040	0.0012	11	1	09/21/23 08:30	09/21/23 16:49	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0040	0.00086	.11	1	09/21/23 08:30	09/21/23 16:49	56-23-5	
Chlorobenzene	ND	mg/kg	0.0040	0.0012	3	1	09/21/23 08:30	09/21/23 16:49	108-90-7	
Chloroethane	ND	mg/kg	0.0040	0.0010	.035	1	09/21/23 08:30	09/21/23 16:49	75-00-3	
Chloroform	ND	mg/kg	0.0040	0.0011	.044	1	09/21/23 08:30	09/21/23 16:49	67-66-3	
Chloromethane	ND	mg/kg	0.0040	0.00098	.1	1	09/21/23 08:30	09/21/23 16:49	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0040	0.0015	.01	1	09/21/23 08:30	09/21/23 16:49	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0040	0.0013	1	1	09/21/23 08:30	09/21/23 16:49	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0040	0.0012	7.5	1	09/21/23 08:30	09/21/23 16:49	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0040	0.0012	.035	1	09/21/23 08:30	09/21/23 16:49	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0040	0.0011	.085	1	09/21/23 08:30	09/21/23 16:49	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0011	.49	1	09/21/23 08:30	09/21/23 16:49	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0040	0.0010	.77	1	09/21/23 08:30	09/21/23 16:49	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0040	0.0012	.042	1	09/21/23 08:30	09/21/23 16:49	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0012	.04	1	09/21/23 08:30	09/21/23 16:49	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0040	0.0013	.04	1	09/21/23 08:30	09/21/23 16:49	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0040	0.0011	19	1	09/21/23 08:30	09/21/23 16:49	100-41-4	
Isobutanol	ND	mg/kg	0.20	0.029	30	1	09/21/23 08:30	09/21/23 16:49	78-83-1	
Methylene Chloride	ND	mg/kg	0.0040	0.0037	.017	1	09/21/23 08:30	09/21/23 16:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0081	0.0015	6.4	1	09/21/23 08:30	09/21/23 16:49	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0040	0.0012	.077	1	09/21/23 08:30	09/21/23 16:49	1634-04-4	
Styrene	ND	mg/kg	0.0040	0.0013	11	1	09/21/23 08:30	09/21/23 16:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0012	.046	1	09/21/23 08:30	09/21/23 16:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0040	0.0015	.006	1	09/21/23 08:30	09/21/23 16:49	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0040	0.0012	.18	1	09/21/23 08:30	09/21/23 16:49	127-18-4	
Toluene	ND	mg/kg	0.0040	0.0017	20	1	09/21/23 08:30	09/21/23 16:49	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0040	0.0012	14	1	09/21/23 08:30	09/21/23 16:49	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0040	0.0010	4	1	09/21/23 08:30	09/21/23 16:49	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (0-2) **Lab ID: 20289352012** Collected: 09/13/23 13:40 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,1,2-Trichloroethane	ND	mg/kg	0.0040	0.0012	.058	1	09/21/23 08:30	09/21/23 16:49	79-00-5	
Trichloroethene	ND	mg/kg	0.0040	0.0012	.073	1	09/21/23 08:30	09/21/23 16:49	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0040	0.00099	37	1	09/21/23 08:30	09/21/23 16:49	75-69-4	
Vinyl chloride	ND	mg/kg	0.0016	0.00090	.013	1	09/21/23 08:30	09/21/23 16:49	75-01-4	
m&p-Xylene	ND	mg/kg	0.0081	0.0026	18	1	09/21/23 08:30	09/21/23 16:49	179601-23-1	
o-Xylene	ND	mg/kg	0.0040	0.0013	18	1	09/21/23 08:30	09/21/23 16:49	95-47-6	
Surrogates										
Toluene-d8 (S)	101	%.	75-125			1	09/21/23 08:30	09/21/23 16:49	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/21/23 08:30	09/21/23 16:49	460-00-4	
Dibromofluoromethane (S)	105	%.	66-143			1	09/21/23 08:30	09/21/23 16:49	1868-53-7	

Sample: B-12 (2-4) **Lab ID: 20289352013** Collected: 09/13/23 14:06 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 20:08		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 20:08		
Aliphatic (>C16-C35)	**5.87J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 20:08	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:02		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:02		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:02		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 16:02		
Surrogates										
o-Terphenyl (S)	69.4	%	40.0-140			1	09/21/23 08:05	09/22/23 16:02	84-15-1	
1-Chloro-octadecane (S)	80.0	%	40.0-140			1	09/21/23 08:05	09/22/23 20:08		
2-Fluorobiphenyl (S)	94.0	%	40.0-140			1	09/21/23 08:05	09/22/23 16:02	321-60-8	
2-Bromonaphthalene (S)	93.2	%	40.0-140			1	09/21/23 08:05	09/22/23 16:02	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3990	1690	1200000	1	09/15/23 08:30	09/15/23 12:46		
Aliphatic (>C08-C10)	ND	ug/kg	3280	1960	120000	1	09/15/23 08:30	09/15/23 12:46		
Aromatic (>C08-C10)	ND	ug/kg	3280	1340	65000	1	09/15/23 08:30	09/15/23 12:46		
Surrogates										
4-Bromofluorobenzene (S)	100	%.	63-133			1	09/15/23 08:30	09/15/23 12:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (2-4) **Lab ID: 20289352013** Collected: 09/13/23 14:06 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	1.9	0.29	3.1	1	09/15/23 11:40	09/19/23 17:09	7440-36-0	
Arsenic	**1.9**	mg/kg	0.64	0.31	12	1	09/15/23 11:40	09/19/23 17:09	7440-38-2	
Barium	**133**	mg/kg	12.8	0.63	550	1	09/15/23 11:40	09/19/23 17:09	7440-39-3	
Beryllium	**0.60**	mg/kg	0.32	0.047	8	1	09/15/23 11:40	09/19/23 17:09	7440-41-7	
Cadmium	ND	mg/kg	0.32	0.046	3.9	1	09/15/23 11:40	09/19/23 17:09	7440-43-9	
Chromium	**17.1**	mg/kg	0.64	0.29	100	1	09/15/23 11:40	09/19/23 17:09	7440-47-3	
Cobalt	**5.4**	mg/kg	0.64	0.13	470	1	09/15/23 11:40	09/19/23 17:09	7440-48-4	
Copper	**12.5**	mg/kg	0.64	0.15	310	1	09/15/23 11:40	09/19/23 17:09	7440-50-8	
Lead	**9.9**	mg/kg	0.32	0.21	100	1	09/15/23 11:40	09/19/23 17:09	7439-92-1	
Nickel	**13.4**	mg/kg	2.6	2.0	160	1	09/15/23 11:40	09/19/23 17:09	7440-02-0	
Selenium	ND	mg/kg	1.3	0.38	20	1	09/15/23 11:40	09/19/23 17:09	7782-49-2	
Silver	ND	mg/kg	0.64	0.17	39	1	09/15/23 11:40	09/19/23 17:09	7440-22-4	
Thallium	**0.28J**	mg/kg	0.32	0.25	.55	1	09/15/23 11:40	09/19/23 17:09	7440-28-0	
Vanadium	**28.9**	mg/kg	3.2	1.3	55	1	09/15/23 11:40	09/19/23 17:09	7440-62-2	
Zinc	**50.6**	mg/kg	3.2	1.6	2300	1	09/15/23 11:40	09/19/23 17:09	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.043**	mg/kg	0.020	0.013		1	09/15/23 11:44	09/15/23 21:53	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 19:57	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 19:57	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 19:57	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 19:57	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 19:57	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 19:57	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 19:57	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 19:57	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 19:57	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 19:57	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 19:57	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 19:57	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 19:57	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 19:57	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 19:57	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 19:57	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 19:57	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 19:57	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 19:57	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 19:57	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 19:57	121-14-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (2-4) **Lab ID: 20289352013** Collected: 09/13/23 14:06 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 19:57	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 19:57	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 19:57	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 19:57	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 19:57	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 19:57	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 19:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 19:57	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 19:57	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 19:57	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 19:57	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 19:57	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 19:57	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 19:57	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 19:57	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 19:57	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 19:57	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 19:57	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 19:57	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 19:57	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 19:57	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 19:57	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 19:57	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 19:57	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 19:57	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 19:57	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 19:57	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 19:57	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 19:57	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 19:57	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 19:57	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 19:57	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 19:57	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 19:57	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 19:57	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 19:57	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 19:57	88-85-7	
Surrogates										
2-Fluorophenol (S)	53.0	%	12.0-120			1	09/21/23 05:47	09/21/23 19:57	367-12-4	
Phenol-d5 (S)	49.2	%	10.0-120			1	09/21/23 05:47	09/21/23 19:57	4165-62-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (2-4) **Lab ID: 20289352013** Collected: 09/13/23 14:06 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
Nitrobenzene-d5 (S)	46.7	%	10.0-122			1	09/21/23 05:47	09/21/23 19:57	4165-60-0	
2-Fluorobiphenyl (S)	48.9	%	15.0-120			1	09/21/23 05:47	09/21/23 19:57	321-60-8	
2,4,6-Tribromophenol (S)	67.8	%	10.0-127			1	09/21/23 05:47	09/21/23 19:57	118-79-6	
Terphenyl-d14 (S)	57.1	%	10.0-120			1	09/21/23 05:47	09/21/23 19:57	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0088	0.0039	1.5	1	09/21/23 08:30	09/21/23 17:09	67-64-1	
Benzene	ND	mg/kg	0.0044	0.0012	.051	1	09/21/23 08:30	09/21/23 17:09	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0044	0.0013	.92	1	09/21/23 08:30	09/21/23 17:09	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0014	1.8	1	09/21/23 08:30	09/21/23 17:09	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0012	.04	1	09/21/23 08:30	09/21/23 17:09	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0088	0.0026	5	1	09/21/23 08:30	09/21/23 17:09	78-93-3	
Carbon disulfide	ND	mg/kg	0.0044	0.0013	11	1	09/21/23 08:30	09/21/23 17:09	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.00094	.11	1	09/21/23 08:30	09/21/23 17:09	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0013	3	1	09/21/23 08:30	09/21/23 17:09	108-90-7	
Chloroethane	ND	mg/kg	0.0044	0.0011	.035	1	09/21/23 08:30	09/21/23 17:09	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0012	.044	1	09/21/23 08:30	09/21/23 17:09	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0011	.1	1	09/21/23 08:30	09/21/23 17:09	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0016	.01	1	09/21/23 08:30	09/21/23 17:09	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0044	0.0014	1	1	09/21/23 08:30	09/21/23 17:09	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0013	7.5	1	09/21/23 08:30	09/21/23 17:09	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0013	.035	1	09/21/23 08:30	09/21/23 17:09	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0012	.085	1	09/21/23 08:30	09/21/23 17:09	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	.49	1	09/21/23 08:30	09/21/23 17:09	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0011	.77	1	09/21/23 08:30	09/21/23 17:09	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0013	.042	1	09/21/23 08:30	09/21/23 17:09	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0013	.04	1	09/21/23 08:30	09/21/23 17:09	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0014	.04	1	09/21/23 08:30	09/21/23 17:09	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0012	19	1	09/21/23 08:30	09/21/23 17:09	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/21/23 08:30	09/21/23 17:09	78-83-1	
Methylene Chloride	ND	mg/kg	0.0044	0.0041	.017	1	09/21/23 08:30	09/21/23 17:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0088	0.0016	6.4	1	09/21/23 08:30	09/21/23 17:09	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0013	.077	1	09/21/23 08:30	09/21/23 17:09	1634-04-4	
Styrene	ND	mg/kg	0.0044	0.0014	11	1	09/21/23 08:30	09/21/23 17:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0013	.046	1	09/21/23 08:30	09/21/23 17:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0017	.006	1	09/21/23 08:30	09/21/23 17:09	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.0013	.18	1	09/21/23 08:30	09/21/23 17:09	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0019	20	1	09/21/23 08:30	09/21/23 17:09	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (2-4) **Lab ID: 20289352013** Collected: 09/13/23 14:06 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	14	1	09/21/23 08:30	09/21/23 17:09	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0011	4	1	09/21/23 08:30	09/21/23 17:09	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0013	.058	1	09/21/23 08:30	09/21/23 17:09	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.0013	.073	1	09/21/23 08:30	09/21/23 17:09	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0011	37	1	09/21/23 08:30	09/21/23 17:09	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00097	.013	1	09/21/23 08:30	09/21/23 17:09	75-01-4	
m&p-Xylene	ND	mg/kg	0.0088	0.0028	18	1	09/21/23 08:30	09/21/23 17:09	179601-23-1	
o-Xylene	ND	mg/kg	0.0044	0.0014	18	1	09/21/23 08:30	09/21/23 17:09	95-47-6	
Surrogates										
Toluene-d8 (S)	101	%.	75-125			1	09/21/23 08:30	09/21/23 17:09	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/21/23 08:30	09/21/23 17:09	460-00-4	
Dibromofluoromethane (S)	106	%.	66-143			1	09/21/23 08:30	09/21/23 17:09	1868-53-7	

Sample: B-12 (5-7) **Lab ID: 20289352014** Collected: 09/13/23 13:57 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 08:43		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 08:43		
Aliphatic (>C16-C35)	ND	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 08:43	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:17		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:17		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:17		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:17		
Surrogates										
o-Terphenyl (S)	81.6	%	40.0-140			1	09/21/23 08:05	09/22/23 04:17	84-15-1	
1-Chloro-octadecane (S)	75.4	%	40.0-140			1	09/21/23 08:05	09/22/23 08:43		
2-Fluorobiphenyl (S)	92.0	%	40.0-140			1	09/21/23 08:05	09/22/23 04:17	321-60-8	
2-Bromonaphthalene (S)	91.7	%	40.0-140			1	09/21/23 08:05	09/22/23 04:17	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4140	1750	1200000	1	09/15/23 08:30	09/15/23 13:09		
Aliphatic (>C08-C10)	ND	ug/kg	3410	2030	120000	1	09/15/23 08:30	09/15/23 13:09		
Aromatic (>C08-C10)	ND	ug/kg	3410	1400	65000	1	09/15/23 08:30	09/15/23 13:09		
Surrogates										
4-Bromofluorobenzene (S)	100	%.	63-133			1	09/15/23 08:30	09/15/23 13:09	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (5-7) **Lab ID: 20289352014** Collected: 09/13/23 13:57 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	3.0	0.45	3.1	1	09/15/23 11:40	09/19/23 17:13	7440-36-0	
Arsenic	**2.3**	mg/kg	1.0	0.48	12	1	09/15/23 11:40	09/19/23 17:13	7440-38-2	
Barium	**112**	mg/kg	20.0	0.98	550	1	09/15/23 11:40	09/19/23 17:13	7440-39-3	
Beryllium	**0.34J**	mg/kg	0.50	0.073	8	1	09/15/23 11:40	09/19/23 17:13	7440-41-7	
Cadmium	ND	mg/kg	0.50	0.071	3.9	1	09/15/23 11:40	09/19/23 17:13	7440-43-9	
Chromium	**12.4**	mg/kg	1.0	0.45	100	1	09/15/23 11:40	09/19/23 17:13	7440-47-3	
Cobalt	**5.5**	mg/kg	1.0	0.21	470	1	09/15/23 11:40	09/19/23 17:13	7440-48-4	
Copper	**8.9**	mg/kg	1.0	0.24	310	1	09/15/23 11:40	09/19/23 17:13	7440-50-8	
Lead	**6.6**	mg/kg	0.50	0.32	100	1	09/15/23 11:40	09/19/23 17:13	7439-92-1	
Nickel	**12.1**	mg/kg	4.0	3.2	160	1	09/15/23 11:40	09/19/23 17:13	7440-02-0	
Selenium	**0.82J**	mg/kg	2.0	0.59	20	1	09/15/23 11:40	09/19/23 17:13	7782-49-2	
Silver	ND	mg/kg	1.0	0.26	39	1	09/15/23 11:40	09/19/23 17:13	7440-22-4	
Thallium	ND	mg/kg	0.50	0.38	.55	1	09/15/23 11:40	09/19/23 17:13	7440-28-0	
Vanadium	**21.5**	mg/kg	5.0	2.0	55	1	09/15/23 11:40	09/19/23 17:13	7440-62-2	
Zinc	**35.1**	mg/kg	5.0	2.6	2300	1	09/15/23 11:40	09/19/23 17:13	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.044**	mg/kg	0.013	0.0085		1	09/15/23 11:44	09/15/23 21:56	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 15:24	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 15:24	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 15:24	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 15:24	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 15:24	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 15:24	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 15:24	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 15:24	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 15:24	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 15:24	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 15:24	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 15:24	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 15:24	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 15:24	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 15:24	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 15:24	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 15:24	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 15:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 15:24	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 15:24	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 15:24	121-14-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (5-7) **Lab ID: 20289352014** Collected: 09/13/23 13:57 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 15:24	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 15:24	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 15:24	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 15:24	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 15:24	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 15:24	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 15:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 15:24	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 15:24	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 15:24	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 15:24	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 15:24	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 15:24	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 15:24	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 15:24	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 15:24	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 15:24	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 15:24	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 15:24	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 15:24	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 15:24	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 15:24	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 15:24	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 15:24	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 15:24	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 15:24	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 15:24	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 15:24	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 15:24	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 15:24	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 15:24	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 15:24	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 15:24	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 15:24	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 15:24	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 15:24	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 15:24	88-85-7	
Surrogates										
2-Fluorophenol (S)	53.4	%	12.0-120			1	09/21/23 05:47	09/21/23 15:24	367-12-4	
Phenol-d5 (S)	48.3	%	10.0-120			1	09/21/23 05:47	09/21/23 15:24	4165-62-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (5-7) **Lab ID: 20289352014** Collected: 09/13/23 13:57 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
Nitrobenzene-d5 (S)	45.0	%	10.0-122			1	09/21/23 05:47	09/21/23 15:24	4165-60-0	
2-Fluorobiphenyl (S)	45.7	%	15.0-120			1	09/21/23 05:47	09/21/23 15:24	321-60-8	
2,4,6-Tribromophenol (S)	58.7	%	10.0-127			1	09/21/23 05:47	09/21/23 15:24	118-79-6	
Terphenyl-d14 (S)	45.3	%	10.0-120			1	09/21/23 05:47	09/21/23 15:24	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0094	0.0041	1.5	1	09/21/23 08:30	09/21/23 17:27	67-64-1	
Benzene	ND	mg/kg	0.0047	0.0013	.051	1	09/21/23 08:30	09/21/23 17:27	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0047	0.0014	.92	1	09/21/23 08:30	09/21/23 17:27	75-27-4	
Bromoform	ND	mg/kg	0.0047	0.0015	1.8	1	09/21/23 08:30	09/21/23 17:27	75-25-2	
Bromomethane	ND	mg/kg	0.0047	0.0013	.04	1	09/21/23 08:30	09/21/23 17:27	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0094	0.0027	5	1	09/21/23 08:30	09/21/23 17:27	78-93-3	
Carbon disulfide	ND	mg/kg	0.0047	0.0014	11	1	09/21/23 08:30	09/21/23 17:27	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0047	0.0010	.11	1	09/21/23 08:30	09/21/23 17:27	56-23-5	
Chlorobenzene	ND	mg/kg	0.0047	0.0014	3	1	09/21/23 08:30	09/21/23 17:27	108-90-7	
Chloroethane	ND	mg/kg	0.0047	0.0012	.035	1	09/21/23 08:30	09/21/23 17:27	75-00-3	
Chloroform	ND	mg/kg	0.0047	0.0013	.044	1	09/21/23 08:30	09/21/23 17:27	67-66-3	
Chloromethane	ND	mg/kg	0.0047	0.0011	.1	1	09/21/23 08:30	09/21/23 17:27	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0047	0.0017	.01	1	09/21/23 08:30	09/21/23 17:27	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0047	0.0015	1	1	09/21/23 08:30	09/21/23 17:27	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0047	0.0014	7.5	1	09/21/23 08:30	09/21/23 17:27	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0047	0.0014	.035	1	09/21/23 08:30	09/21/23 17:27	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0047	0.0013	.085	1	09/21/23 08:30	09/21/23 17:27	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0013	.49	1	09/21/23 08:30	09/21/23 17:27	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0012	.77	1	09/21/23 08:30	09/21/23 17:27	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0047	0.0014	.042	1	09/21/23 08:30	09/21/23 17:27	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0014	.04	1	09/21/23 08:30	09/21/23 17:27	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0015	.04	1	09/21/23 08:30	09/21/23 17:27	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0047	0.0013	19	1	09/21/23 08:30	09/21/23 17:27	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.034	30	1	09/21/23 08:30	09/21/23 17:27	78-83-1	
Methylene Chloride	ND	mg/kg	0.0047	0.0043	.017	1	09/21/23 08:30	09/21/23 17:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0094	0.0018	6.4	1	09/21/23 08:30	09/21/23 17:27	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0047	0.0013	.077	1	09/21/23 08:30	09/21/23 17:27	1634-04-4	
Styrene	ND	mg/kg	0.0047	0.0015	11	1	09/21/23 08:30	09/21/23 17:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0014	.046	1	09/21/23 08:30	09/21/23 17:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0018	.006	1	09/21/23 08:30	09/21/23 17:27	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0047	0.0013	.18	1	09/21/23 08:30	09/21/23 17:27	127-18-4	
Toluene	ND	mg/kg	0.0047	0.0020	20	1	09/21/23 08:30	09/21/23 17:27	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (5-7) **Lab ID: 20289352014** Collected: 09/13/23 13:57 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2,4-Trichlorobenzene	ND	mg/kg	0.0047	0.0014	14	1	09/21/23 08:30	09/21/23 17:27	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0047	0.0012	4	1	09/21/23 08:30	09/21/23 17:27	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0047	0.0014	.058	1	09/21/23 08:30	09/21/23 17:27	79-00-5	
Trichloroethene	ND	mg/kg	0.0047	0.0013	.073	1	09/21/23 08:30	09/21/23 17:27	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0047	0.0012	37	1	09/21/23 08:30	09/21/23 17:27	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0010	.013	1	09/21/23 08:30	09/21/23 17:27	75-01-4	
m&p-Xylene	ND	mg/kg	0.0094	0.0030	18	1	09/21/23 08:30	09/21/23 17:27	179601-23-1	
o-Xylene	ND	mg/kg	0.0047	0.0015	18	1	09/21/23 08:30	09/21/23 17:27	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 17:27	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	64-139			1	09/21/23 08:30	09/21/23 17:27	460-00-4	
Dibromofluoromethane (S)	103	%.	66-143			1	09/21/23 08:30	09/21/23 17:27	1868-53-7	

Sample: B-12 (14-16) **Lab ID: 20289352015** Collected: 09/13/23 13:46 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 09:05		
Aliphatic (>C12-C16)	**1.71J**	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 09:05		B,J
Aliphatic (>C16-C35)	**3.58J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 09:05	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:39		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:39		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:39		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 04:39		
Surrogates										
o-Terphenyl (S)	84.6	%	40.0-140			1	09/21/23 08:05	09/22/23 04:39	84-15-1	
1-Chloro-octadecane (S)	85.2	%	40.0-140			1	09/21/23 08:05	09/22/23 09:05		
2-Fluorobiphenyl (S)	101	%	40.0-140			1	09/21/23 08:05	09/22/23 04:39	321-60-8	
2-Bromonaphthalene (S)	99.4	%	40.0-140			1	09/21/23 08:05	09/22/23 04:39	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4380	1860	1200000	1	09/15/23 08:30	09/15/23 13:32		
Aliphatic (>C08-C10)	ND	ug/kg	3610	2150	120000	1	09/15/23 08:30	09/15/23 13:32		
Aromatic (>C08-C10)	ND	ug/kg	3610	1480	65000	1	09/15/23 08:30	09/15/23 13:32		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/15/23 08:30	09/15/23 13:32	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (14-16) **Lab ID: 20289352015** Collected: 09/13/23 13:46 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.3	0.34	3.1	1	09/15/23 11:40	09/19/23 17:17	7440-36-0	
Arsenic	**3.6**	mg/kg	0.76	0.36	12	1	09/15/23 11:40	09/19/23 17:17	7440-38-2	
Barium	**92.1**	mg/kg	15.2	0.74	550	1	09/15/23 11:40	09/19/23 17:17	7440-39-3	
Beryllium	**0.32J**	mg/kg	0.38	0.055	8	1	09/15/23 11:40	09/19/23 17:17	7440-41-7	
Cadmium	ND	mg/kg	0.38	0.054	3.9	1	09/15/23 11:40	09/19/23 17:17	7440-43-9	
Chromium	**10.4**	mg/kg	0.76	0.34	100	1	09/15/23 11:40	09/19/23 17:17	7440-47-3	
Cobalt	**5.0**	mg/kg	0.76	0.16	470	1	09/15/23 11:40	09/19/23 17:17	7440-48-4	
Copper	**8.2**	mg/kg	0.76	0.18	310	1	09/15/23 11:40	09/19/23 17:17	7440-50-8	
Lead	**6.4**	mg/kg	0.38	0.24	100	1	09/15/23 11:40	09/19/23 17:17	7439-92-1	
Nickel	**11.7**	mg/kg	3.0	2.4	160	1	09/15/23 11:40	09/19/23 17:17	7440-02-0	
Selenium	**0.49J**	mg/kg	1.5	0.44	20	1	09/15/23 11:40	09/19/23 17:17	7782-49-2	
Silver	ND	mg/kg	0.76	0.20	39	1	09/15/23 11:40	09/19/23 17:17	7440-22-4	
Thallium	**0.36J**	mg/kg	0.38	0.29	.55	1	09/15/23 11:40	09/19/23 17:17	7440-28-0	
Vanadium	**17.8**	mg/kg	3.8	1.5	55	1	09/15/23 11:40	09/19/23 17:17	7440-62-2	
Zinc	**31.5**	mg/kg	3.8	1.9	2300	1	09/15/23 11:40	09/19/23 17:17	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.058**	mg/kg	0.019	0.012		1	09/15/23 11:44	09/15/23 21:58	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 17:51	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 17:51	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 17:51	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 17:51	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 17:51	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 17:51	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 17:51	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 17:51	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 17:51	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 17:51	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 17:51	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 17:51	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 17:51	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 17:51	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 17:51	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 17:51	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 17:51	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 17:51	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 17:51	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 17:51	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 17:51	121-14-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (14-16) **Lab ID: 20289352015** Collected: 09/13/23 13:46 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 17:51	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 17:51	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 17:51	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 17:51	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 17:51	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 17:51	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 17:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 17:51	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 17:51	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 17:51	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 17:51	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 17:51	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 17:51	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 17:51	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 17:51	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 17:51	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 17:51	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 17:51	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 17:51	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 17:51	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 17:51	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 17:51	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 17:51	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 17:51	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 17:51	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 17:51	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 17:51	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 17:51	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 17:51	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 17:51	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 17:51	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 17:51	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 17:51	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 17:51	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 17:51	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 17:51	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 17:51	88-85-7	
Surrogates										
2-Fluorophenol (S)	43.4	%	12.0-120			1	09/21/23 05:47	09/21/23 17:51	367-12-4	
Phenol-d5 (S)	40.3	%	10.0-120			1	09/21/23 05:47	09/21/23 17:51	4165-62-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (14-16) **Lab ID: 20289352015** Collected: 09/13/23 13:46 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E			Analytical Method: EPA 8270E Preparation Method: 3546							
			Pace National - Mt. Juliet							
Surrogates										
Nitrobenzene-d5 (S)	38.7	%	10.0-122			1	09/21/23 05:47	09/21/23 17:51	4165-60-0	
2-Fluorobiphenyl (S)	38.7	%	15.0-120			1	09/21/23 05:47	09/21/23 17:51	321-60-8	
2,4,6-Tribromophenol (S)	55.7	%	10.0-127			1	09/21/23 05:47	09/21/23 17:51	118-79-6	
Terphenyl-d14 (S)	43.8	%	10.0-120			1	09/21/23 05:47	09/21/23 17:51	1718-51-0	
8260 MSV 5035 Low Level			Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
			Pace Analytical Services - New Orleans							
Acetone	**0.0069J**	mg/kg	0.0096	0.0042	1.5	1	09/21/23 08:30	09/21/23 17:47	67-64-1	
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/21/23 08:30	09/21/23 17:47	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0014	.92	1	09/21/23 08:30	09/21/23 17:47	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/21/23 08:30	09/21/23 17:47	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/21/23 08:30	09/21/23 17:47	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0096	0.0028	5	1	09/21/23 08:30	09/21/23 17:47	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/21/23 08:30	09/21/23 17:47	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/21/23 08:30	09/21/23 17:47	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/21/23 08:30	09/21/23 17:47	108-90-7	
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/21/23 08:30	09/21/23 17:47	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0013	.044	1	09/21/23 08:30	09/21/23 17:47	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/21/23 08:30	09/21/23 17:47	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/21/23 08:30	09/21/23 17:47	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/21/23 08:30	09/21/23 17:47	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0014	7.5	1	09/21/23 08:30	09/21/23 17:47	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/21/23 08:30	09/21/23 17:47	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0013	.085	1	09/21/23 08:30	09/21/23 17:47	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/21/23 08:30	09/21/23 17:47	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/21/23 08:30	09/21/23 17:47	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0015	.042	1	09/21/23 08:30	09/21/23 17:47	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/21/23 08:30	09/21/23 17:47	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0015	.04	1	09/21/23 08:30	09/21/23 17:47	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/21/23 08:30	09/21/23 17:47	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/21/23 08:30	09/21/23 17:47	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0044	.017	1	09/21/23 08:30	09/21/23 17:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0096	0.0018	6.4	1	09/21/23 08:30	09/21/23 17:47	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/21/23 08:30	09/21/23 17:47	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0015	11	1	09/21/23 08:30	09/21/23 17:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/21/23 08:30	09/21/23 17:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0018	.006	1	09/21/23 08:30	09/21/23 17:47	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/21/23 08:30	09/21/23 17:47	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0020	20	1	09/21/23 08:30	09/21/23 17:47	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-12 (14-16) **Lab ID: 20289352015** Collected: 09/13/23 13:46 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0014	14	1	09/21/23 08:30	09/21/23 17:47	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/21/23 08:30	09/21/23 17:47	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0014	.058	1	09/21/23 08:30	09/21/23 17:47	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/21/23 08:30	09/21/23 17:47	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/21/23 08:30	09/21/23 17:47	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/21/23 08:30	09/21/23 17:47	75-01-4	
m&p-Xylene	ND	mg/kg	0.0096	0.0031	18	1	09/21/23 08:30	09/21/23 17:47	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/21/23 08:30	09/21/23 17:47	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 17:47	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/21/23 08:30	09/21/23 17:47	460-00-4	
Dibromofluoromethane (S)	102	%.	66-143			1	09/21/23 08:30	09/21/23 17:47	1868-53-7	
Chromium, Hexavalent, soluble	Analytical Method: EPA 7196 Preparation Method: EPA 7196 Pace Analytical Services - New Orleans									
Chromium, Hexavalent	ND	mg/kg	0.96	0.82		10	09/20/23 12:10	09/20/23 17:01	18540-29-9	D3

Sample: B-13 (0-2) **Lab ID: 20289352016** Collected: 09/13/23 14:56 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 19:46		
Aliphatic (>C12-C16)	**1.70J**	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 19:46		B,J
Aliphatic (>C16-C35)	**3.49J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 19:46	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:40		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:40		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:40		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 15:40		
Surrogates										
o-Terphenyl (S)	82.6	%	40.0-140			1	09/21/23 08:05	09/22/23 15:40	84-15-1	
1-Chloro-octadecane (S)	84.9	%	40.0-140			1	09/21/23 08:05	09/22/23 19:46		
2-Fluorobiphenyl (S)	94.3	%	40.0-140			1	09/21/23 08:05	09/22/23 15:40	321-60-8	
2-Bromonaphthalene (S)	93.1	%	40.0-140			1	09/21/23 08:05	09/22/23 15:40	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3390	1440	1200000	1	09/15/23 08:30	09/15/23 13:54		

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (0-2) **Lab ID: 20289352016** Collected: 09/13/23 14:56 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (>C08-C10)	ND	ug/kg	2800	1670	120000	1	09/15/23 08:30	09/15/23 13:54		
Aromatic (>C08-C10)	ND	ug/kg	2800	1140	65000	1	09/15/23 08:30	09/15/23 13:54		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/15/23 08:30	09/15/23 13:54	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.7	0.41	3.1	1	09/15/23 11:40	09/19/23 17:21	7440-36-0	
Arsenic	**2.5**	mg/kg	0.91	0.44	12	1	09/15/23 11:40	09/19/23 17:21	7440-38-2	
Barium	**127**	mg/kg	18.2	0.89	550	1	09/15/23 11:40	09/19/23 17:21	7440-39-3	
Beryllium	**0.38J**	mg/kg	0.45	0.066	8	1	09/15/23 11:40	09/19/23 17:21	7440-41-7	
Cadmium	ND	mg/kg	0.45	0.065	3.9	1	09/15/23 11:40	09/19/23 17:21	7440-43-9	
Chromium	**15.4**	mg/kg	0.91	0.41	100	1	09/15/23 11:40	09/19/23 17:21	7440-47-3	
Cobalt	**4.8**	mg/kg	0.91	0.19	470	1	09/15/23 11:40	09/19/23 17:21	7440-48-4	
Copper	**13.6**	mg/kg	0.91	0.22	310	1	09/15/23 11:40	09/19/23 17:21	7440-50-8	
Lead	**26.0**	mg/kg	0.45	0.29	100	1	09/15/23 11:40	09/19/23 17:21	7439-92-1	
Nickel	**13.9**	mg/kg	3.6	2.9	160	1	09/15/23 11:40	09/19/23 17:21	7440-02-0	
Selenium	**1.1J**	mg/kg	1.8	0.53	20	1	09/15/23 11:40	09/19/23 17:21	7782-49-2	
Silver	ND	mg/kg	0.91	0.23	39	1	09/15/23 11:40	09/19/23 17:21	7440-22-4	
Thallium	**1.1**	mg/kg	0.45	0.35	.55	1	09/15/23 11:40	09/19/23 17:21	7440-28-0	
Vanadium	**21.6**	mg/kg	4.5	1.9	55	1	09/15/23 11:40	09/19/23 17:21	7440-62-2	
Zinc	**46.5**	mg/kg	4.5	2.3	2300	1	09/15/23 11:40	09/19/23 17:21	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.038**	mg/kg	0.018	0.011		1	09/15/23 11:44	09/15/23 22:00	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 20:38	83-32-9	
Acenaphthylene	**0.0324J**	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 20:38	208-96-8	J
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 20:38	62-53-3	
Anthracene	**0.0134J**	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 20:38	120-12-7	J
Benzo(a)anthracene	**0.113**	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 20:38	56-55-3	
Benzo(b)fluoranthene	**0.332**	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 20:38	205-99-2	
Benzo(k)fluoranthene	**0.115**	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 20:38	207-08-9	
Benzo(a)pyrene	**0.153**	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 20:38	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 20:38	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 20:38	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 20:38	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 20:38	91-58-7	
Chrysene	**0.186**	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 20:38	218-01-9	
Dibenz(a,h)anthracene	**0.0313J**	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 20:38	53-70-3	J

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (0-2) **Lab ID: 20289352016** Collected: 09/13/23 14:56 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 20:38	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 20:38	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 20:38	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 20:38	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 20:38	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 20:38	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 20:38	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 20:38	606-20-2	
Fluoranthene	**0.303**	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 20:38	206-44-0	
Fluorene	**0.00782J**	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 20:38	86-73-7	J
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 20:38	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 20:38	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 20:38	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 20:38	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.135**	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 20:38	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 20:38	78-59-1	
2-Methylnaphthalene	**0.00534J**	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 20:38	91-57-6	J
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 20:38	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 20:38	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 20:38	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 20:38	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 20:38	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 20:38	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 20:38	621-64-7	
Phenanthrene	**0.0676**	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 20:38	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 20:38	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 20:38	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 20:38	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 20:38	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 20:38	117-84-0	
Pyrene	**0.258**	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 20:38	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 20:38	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 20:38	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 20:38	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 20:38	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 20:38	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 20:38	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 20:38	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 20:38	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 20:38	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 20:38	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 20:38	88-06-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (0-2) **Lab ID: 20289352016** Collected: 09/13/23 14:56 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 20:38	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 20:38	88-85-7	
Surrogates										
2-Fluorophenol (S)	42.3	%	12.0-120			1	09/21/23 05:47	09/21/23 20:38	367-12-4	
Phenol-d5 (S)	41.9	%	10.0-120			1	09/21/23 05:47	09/21/23 20:38	4165-62-2	
Nitrobenzene-d5 (S)	39.9	%	10.0-122			1	09/21/23 05:47	09/21/23 20:38	4165-60-0	
2-Fluorobiphenyl (S)	42.2	%	15.0-120			1	09/21/23 05:47	09/21/23 20:38	321-60-8	
2,4,6-Tribromophenol (S)	50.8	%	10.0-127			1	09/21/23 05:47	09/21/23 20:38	118-79-6	
Terphenyl-d14 (S)	46.0	%	10.0-120			1	09/21/23 05:47	09/21/23 20:38	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0062J**	mg/kg	0.0088	0.0039	1.5	1	09/21/23 08:30	09/21/23 18:06	67-64-1	
Benzene	ND	mg/kg	0.0044	0.0012	.051	1	09/21/23 08:30	09/21/23 18:06	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0044	0.0013	.92	1	09/21/23 08:30	09/21/23 18:06	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0014	1.8	1	09/21/23 08:30	09/21/23 18:06	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0012	.04	1	09/21/23 08:30	09/21/23 18:06	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0088	0.0026	5	1	09/21/23 08:30	09/21/23 18:06	78-93-3	
Carbon disulfide	ND	mg/kg	0.0044	0.0013	11	1	09/21/23 08:30	09/21/23 18:06	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.00094	.11	1	09/21/23 08:30	09/21/23 18:06	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0013	3	1	09/21/23 08:30	09/21/23 18:06	108-90-7	
Chloroethane	ND	mg/kg	0.0044	0.0011	.035	1	09/21/23 08:30	09/21/23 18:06	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0012	.044	1	09/21/23 08:30	09/21/23 18:06	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0011	.1	1	09/21/23 08:30	09/21/23 18:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0016	.01	1	09/21/23 08:30	09/21/23 18:06	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0044	0.0014	1	1	09/21/23 08:30	09/21/23 18:06	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0013	7.5	1	09/21/23 08:30	09/21/23 18:06	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0013	.035	1	09/21/23 08:30	09/21/23 18:06	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0012	.085	1	09/21/23 08:30	09/21/23 18:06	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	.49	1	09/21/23 08:30	09/21/23 18:06	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0011	.77	1	09/21/23 08:30	09/21/23 18:06	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0013	.042	1	09/21/23 08:30	09/21/23 18:06	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0013	.04	1	09/21/23 08:30	09/21/23 18:06	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0014	.04	1	09/21/23 08:30	09/21/23 18:06	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0012	19	1	09/21/23 08:30	09/21/23 18:06	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/21/23 08:30	09/21/23 18:06	78-83-1	
Methylene Chloride	ND	mg/kg	0.0044	0.0041	.017	1	09/21/23 08:30	09/21/23 18:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0088	0.0016	6.4	1	09/21/23 08:30	09/21/23 18:06	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0013	.077	1	09/21/23 08:30	09/21/23 18:06	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (0-2) **Lab ID: 20289352016** Collected: 09/13/23 14:56 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Styrene	ND	mg/kg	0.0044	0.0014	11	1	09/21/23 08:30	09/21/23 18:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0013	.046	1	09/21/23 08:30	09/21/23 18:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0017	.006	1	09/21/23 08:30	09/21/23 18:06	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.0013	.18	1	09/21/23 08:30	09/21/23 18:06	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0019	20	1	09/21/23 08:30	09/21/23 18:06	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	14	1	09/21/23 08:30	09/21/23 18:06	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0011	4	1	09/21/23 08:30	09/21/23 18:06	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0013	.058	1	09/21/23 08:30	09/21/23 18:06	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.0013	.073	1	09/21/23 08:30	09/21/23 18:06	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0011	37	1	09/21/23 08:30	09/21/23 18:06	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00098	.013	1	09/21/23 08:30	09/21/23 18:06	75-01-4	
m&p-Xylene	ND	mg/kg	0.0088	0.0028	18	1	09/21/23 08:30	09/21/23 18:06	179601-23-1	
o-Xylene	ND	mg/kg	0.0044	0.0014	18	1	09/21/23 08:30	09/21/23 18:06	95-47-6	
Surrogates										
Toluene-d8 (S)	101	%.	75-125			1	09/21/23 08:30	09/21/23 18:06	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	64-139			1	09/21/23 08:30	09/21/23 18:06	460-00-4	
Dibromofluoromethane (S)	101	%.	66-143			1	09/21/23 08:30	09/21/23 18:06	1868-53-7	
Chromium, Hexavalent, soluble	Analytical Method: EPA 7196 Preparation Method: EPA 7196 Pace Analytical Services - New Orleans									
Chromium, Hexavalent	ND	mg/kg	0.10	0.085		1	09/20/23 12:10	09/20/23 17:01	18540-29-9	

Sample: B-13 (2-4) **Lab ID: 20289352017** Collected: 09/13/23 15:15 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 21:16		
Aliphatic (>C12-C16)	**1.78J**	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 21:16		B,J
Aliphatic (>C16-C35)	**6.50J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 21:16	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/23/23 23:57		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/23/23 23:57		
Aromatic (>C16-C21)	**2.61J**	mg/kg	25.0	2.12		1	09/21/23 08:05	09/23/23 23:57		J
Aromatic (>C21-C35)	**5.66J**	mg/kg	25.0	2.12		1	09/21/23 08:05	09/23/23 23:57		J
Surrogates										
o-Terphenyl (S)	74.6	%	40.0-140			1	09/21/23 08:05	09/23/23 23:57	84-15-1	
1-Chloro-octadecane (S)	76.3	%	40.0-140			1	09/21/23 08:05	09/22/23 21:16		
2-Fluorobiphenyl (S)	98.9	%	40.0-140			1	09/21/23 08:05	09/23/23 23:57	321-60-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (2-4) **Lab ID: 20289352017** Collected: 09/13/23 15:15 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Surrogates										
2-Bromonaphthalene (S)	98.1	%	40.0-140			1	09/21/23 08:05	09/23/23 23:57	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3910	1660	1200000	1	09/15/23 08:30	09/15/23 14:17		
Aliphatic (>C08-C10)	ND	ug/kg	3220	1920	120000	1	09/15/23 08:30	09/15/23 14:17		
Aromatic (>C08-C10)	ND	ug/kg	3220	1320	65000	1	09/15/23 08:30	09/15/23 14:17		
Surrogates										
4-Bromofluorobenzene (S)	98	%.	63-133			1	09/15/23 08:30	09/15/23 14:17	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.1	0.32	3.1	1	09/15/23 11:40	09/19/23 17:25	7440-36-0	
Arsenic	**2.6**	mg/kg	0.71	0.34	12	1	09/15/23 11:40	09/19/23 17:25	7440-38-2	
Barium	**133**	mg/kg	14.3	0.70	550	1	09/15/23 11:40	09/19/23 17:25	7440-39-3	
Beryllium	**0.49**	mg/kg	0.36	0.052	8	1	09/15/23 11:40	09/19/23 17:25	7440-41-7	
Cadmium	ND	mg/kg	0.36	0.051	3.9	1	09/15/23 11:40	09/19/23 17:25	7440-43-9	
Chromium	**13.8**	mg/kg	0.71	0.32	100	1	09/15/23 11:40	09/19/23 17:25	7440-47-3	
Cobalt	**4.7**	mg/kg	0.71	0.15	470	1	09/15/23 11:40	09/19/23 17:25	7440-48-4	
Copper	**10.8**	mg/kg	0.71	0.17	310	1	09/15/23 11:40	09/19/23 17:25	7440-50-8	
Lead	**25.6**	mg/kg	0.36	0.23	100	1	09/15/23 11:40	09/19/23 17:25	7439-92-1	
Nickel	**11.7**	mg/kg	2.9	2.3	160	1	09/15/23 11:40	09/19/23 17:25	7440-02-0	
Selenium	ND	mg/kg	1.4	0.42	20	1	09/15/23 11:40	09/19/23 17:25	7782-49-2	
Silver	ND	mg/kg	0.71	0.18	39	1	09/15/23 11:40	09/19/23 17:25	7440-22-4	
Thallium	**0.28J**	mg/kg	0.36	0.27	.55	1	09/15/23 11:40	09/19/23 17:25	7440-28-0	
Vanadium	**28.2**	mg/kg	3.6	1.5	55	1	09/15/23 11:40	09/19/23 17:25	7440-62-2	
Zinc	**50.6**	mg/kg	3.6	1.8	2300	1	09/15/23 11:40	09/19/23 17:25	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.034**	mg/kg	0.015	0.0095		1	09/15/23 11:44	09/15/23 22:03	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/21/23 05:47	09/21/23 20:18	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/21/23 05:47	09/21/23 20:18	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/21/23 05:47	09/21/23 20:18	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/21/23 05:47	09/21/23 20:18	120-12-7	
Benzo(a)anthracene	**0.00775J**	mg/kg	0.0333	0.00587		1	09/21/23 05:47	09/21/23 20:18	56-55-3	J
Benzo(b)fluoranthene	**0.0122J**	mg/kg	0.0333	0.00621		1	09/21/23 05:47	09/21/23 20:18	205-99-2	J
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/21/23 05:47	09/21/23 20:18	207-08-9	
Benzo(a)pyrene	**0.00683J**	mg/kg	0.0333	0.00619		1	09/21/23 05:47	09/21/23 20:18	50-32-8	J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (2-4) **Lab ID: 20289352017** Collected: 09/13/23 15:15 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 20:18	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 20:18	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/21/23 05:47	09/21/23 20:18	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/21/23 05:47	09/21/23 20:18	91-58-7	
Chrysene	**0.00864J**	mg/kg	0.0333	0.00662		1	09/21/23 05:47	09/21/23 20:18	218-01-9	J
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/21/23 05:47	09/21/23 20:18	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 20:18	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/21/23 05:47	09/21/23 20:18	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/21/23 05:47	09/21/23 20:18	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/21/23 05:47	09/21/23 20:18	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/21/23 05:47	09/21/23 20:18	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/21/23 05:47	09/21/23 20:18	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/21/23 05:47	09/21/23 20:18	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/21/23 05:47	09/21/23 20:18	606-20-2	
Fluoranthene	**0.0186J**	mg/kg	0.0333	0.00601		1	09/21/23 05:47	09/21/23 20:18	206-44-0	J
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/21/23 05:47	09/21/23 20:18	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/21/23 05:47	09/21/23 20:18	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/21/23 05:47	09/21/23 20:18	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/21/23 05:47	09/21/23 20:18	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/21/23 05:47	09/21/23 20:18	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/21/23 05:47	09/21/23 20:18	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/21/23 05:47	09/21/23 20:18	78-59-1	
2-Methylnaphthalene	**0.00615J**	mg/kg	0.0333	0.00432		1	09/21/23 05:47	09/21/23 20:18	91-57-6	J
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 20:18	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/21/23 05:47	09/21/23 20:18	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/21/23 05:47	09/21/23 20:18	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/21/23 05:47	09/21/23 20:18	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/21/23 05:47	09/21/23 20:18	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/21/23 05:47	09/21/23 20:18	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/21/23 05:47	09/21/23 20:18	621-64-7	
Phenanthrene	**0.0119J**	mg/kg	0.0333	0.00661		1	09/21/23 05:47	09/21/23 20:18	85-01-8	J
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 20:18	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/21/23 05:47	09/21/23 20:18	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 20:18	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/21/23 05:47	09/21/23 20:18	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/21/23 05:47	09/21/23 20:18	117-84-0	
Pyrene	**0.0161J**	mg/kg	0.0333	0.00648		1	09/21/23 05:47	09/21/23 20:18	129-00-0	J
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/21/23 05:47	09/21/23 20:18	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/21/23 05:47	09/21/23 20:18	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/21/23 05:47	09/21/23 20:18	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/21/23 05:47	09/21/23 20:18	105-67-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (2-4) **Lab ID: 20289352017** Collected: 09/13/23 15:15 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/21/23 05:47	09/21/23 20:18	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/21/23 05:47	09/21/23 20:18	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/21/23 05:47	09/21/23 20:18	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/21/23 05:47	09/21/23 20:18	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/21/23 05:47	09/21/23 20:18	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/21/23 05:47	09/21/23 20:18	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/21/23 05:47	09/21/23 20:18	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/21/23 05:47	09/21/23 20:18	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/21/23 05:47	09/21/23 20:18	88-85-7	
Surrogates										
2-Fluorophenol (S)	55.3	%	12.0-120			1	09/21/23 05:47	09/21/23 20:18	367-12-4	
Phenol-d5 (S)	50.5	%	10.0-120			1	09/21/23 05:47	09/21/23 20:18	4165-62-2	
Nitrobenzene-d5 (S)	45.9	%	10.0-122			1	09/21/23 05:47	09/21/23 20:18	4165-60-0	
2-Fluorobiphenyl (S)	48.7	%	15.0-120			1	09/21/23 05:47	09/21/23 20:18	321-60-8	
2,4,6-Tribromophenol (S)	70.2	%	10.0-127			1	09/21/23 05:47	09/21/23 20:18	118-79-6	
Terphenyl-d14 (S)	56.6	%	10.0-120			1	09/21/23 05:47	09/21/23 20:18	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0099**	mg/kg	0.0090	0.0040	1.5	1	09/21/23 08:30	09/21/23 18:25	67-64-1	
Benzene	ND	mg/kg	0.0045	0.0012	.051	1	09/21/23 08:30	09/21/23 18:25	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0045	0.0013	.92	1	09/21/23 08:30	09/21/23 18:25	75-27-4	
Bromoform	ND	mg/kg	0.0045	0.0015	1.8	1	09/21/23 08:30	09/21/23 18:25	75-25-2	
Bromomethane	ND	mg/kg	0.0045	0.0013	.04	1	09/21/23 08:30	09/21/23 18:25	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0090	0.0026	5	1	09/21/23 08:30	09/21/23 18:25	78-93-3	
Carbon disulfide	ND	mg/kg	0.0045	0.0013	11	1	09/21/23 08:30	09/21/23 18:25	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0045	0.00096	.11	1	09/21/23 08:30	09/21/23 18:25	56-23-5	
Chlorobenzene	ND	mg/kg	0.0045	0.0013	3	1	09/21/23 08:30	09/21/23 18:25	108-90-7	
Chloroethane	ND	mg/kg	0.0045	0.0011	.035	1	09/21/23 08:30	09/21/23 18:25	75-00-3	
Chloroform	ND	mg/kg	0.0045	0.0013	.044	1	09/21/23 08:30	09/21/23 18:25	67-66-3	
Chloromethane	ND	mg/kg	0.0045	0.0011	.1	1	09/21/23 08:30	09/21/23 18:25	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0045	0.0016	.01	1	09/21/23 08:30	09/21/23 18:25	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0045	0.0014	1	1	09/21/23 08:30	09/21/23 18:25	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0045	0.0013	7.5	1	09/21/23 08:30	09/21/23 18:25	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0045	0.0013	.035	1	09/21/23 08:30	09/21/23 18:25	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0045	0.0012	.085	1	09/21/23 08:30	09/21/23 18:25	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0012	.49	1	09/21/23 08:30	09/21/23 18:25	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0045	0.0011	.77	1	09/21/23 08:30	09/21/23 18:25	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0045	0.0014	.042	1	09/21/23 08:30	09/21/23 18:25	78-87-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (2-4) **Lab ID: 20289352017** Collected: 09/13/23 15:15 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
cis-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0013	.04	1	09/21/23 08:30	09/21/23 18:25	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0045	0.0014	.04	1	09/21/23 08:30	09/21/23 18:25	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0045	0.0012	19	1	09/21/23 08:30	09/21/23 18:25	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.033	30	1	09/21/23 08:30	09/21/23 18:25	78-83-1	
Methylene Chloride	ND	mg/kg	0.0045	0.0042	.017	1	09/21/23 08:30	09/21/23 18:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0090	0.0017	6.4	1	09/21/23 08:30	09/21/23 18:25	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0045	0.0013	.077	1	09/21/23 08:30	09/21/23 18:25	1634-04-4	
Styrene	ND	mg/kg	0.0045	0.0014	11	1	09/21/23 08:30	09/21/23 18:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0013	.046	1	09/21/23 08:30	09/21/23 18:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0045	0.0017	.006	1	09/21/23 08:30	09/21/23 18:25	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0045	0.0013	.18	1	09/21/23 08:30	09/21/23 18:25	127-18-4	
Toluene	ND	mg/kg	0.0045	0.0019	20	1	09/21/23 08:30	09/21/23 18:25	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0045	0.0013	14	1	09/21/23 08:30	09/21/23 18:25	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0045	0.0011	4	1	09/21/23 08:30	09/21/23 18:25	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0045	0.0013	.058	1	09/21/23 08:30	09/21/23 18:25	79-00-5	
Trichloroethene	ND	mg/kg	0.0045	0.0013	.073	1	09/21/23 08:30	09/21/23 18:25	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0045	0.0011	37	1	09/21/23 08:30	09/21/23 18:25	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.0010	.013	1	09/21/23 08:30	09/21/23 18:25	75-01-4	
m&p-Xylene	ND	mg/kg	0.0090	0.0029	18	1	09/21/23 08:30	09/21/23 18:25	179601-23-1	
o-Xylene	ND	mg/kg	0.0045	0.0014	18	1	09/21/23 08:30	09/21/23 18:25	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 18:25	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/21/23 08:30	09/21/23 18:25	460-00-4	
Dibromofluoromethane (S)	104	%.	66-143			1	09/21/23 08:30	09/21/23 18:25	1868-53-7	
Chromium, Hexavalent, soluble	Analytical Method: EPA 7196 Preparation Method: EPA 7196 Pace Analytical Services - New Orleans									
Chromium, Hexavalent	ND	mg/kg	1.9	1.6		20	09/20/23 12:10	09/20/23 17:01	18540-29-9	D3

Sample: B-13 (7-9) **Lab ID: 20289352018** Collected: 09/13/23 15:05 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:10	09/22/23 09:27		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:10	09/22/23 09:27		
Aliphatic (>C16-C35)	**3.09J**	mg/kg	100	1.68		1	09/21/23 08:10	09/22/23 09:27	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:10	09/22/23 05:01		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:10	09/22/23 05:01		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:10	09/22/23 05:01		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (7-9) **Lab ID: 20289352018** Collected: 09/13/23 15:05 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:10	09/22/23 05:01		
Surrogates										
o-Terphenyl (S)	76.7	%	40.0-140			1	09/21/23 08:10	09/22/23 05:01	84-15-1	
1-Chloro-octadecane (S)	86.4	%	40.0-140			1	09/21/23 08:10	09/22/23 09:27		
2-Fluorobiphenyl (S)	95.3	%	40.0-140			1	09/21/23 08:10	09/22/23 05:01	321-60-8	
2-Bromonaphthalene (S)	94.4	%	40.0-140			1	09/21/23 08:10	09/22/23 05:01	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4290	1820	1200000	1	09/15/23 08:30	09/15/23 14:40		
Aliphatic (>C08-C10)	ND	ug/kg	3540	2110	120000	1	09/15/23 08:30	09/15/23 14:40		
Aromatic (>C08-C10)	ND	ug/kg	3540	1450	65000	1	09/15/23 08:30	09/15/23 14:40		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/15/23 08:30	09/15/23 14:40	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.3	0.35	3.1	1	09/15/23 11:40	09/19/23 17:29	7440-36-0	
Arsenic	**2.8**	mg/kg	0.78	0.38	12	1	09/15/23 11:40	09/19/23 17:29	7440-38-2	
Barium	**130**	mg/kg	15.6	0.77	550	1	09/15/23 11:40	09/19/23 17:29	7440-39-3	
Beryllium	**0.46**	mg/kg	0.39	0.057	8	1	09/15/23 11:40	09/19/23 17:29	7440-41-7	
Cadmium	ND	mg/kg	0.39	0.055	3.9	1	09/15/23 11:40	09/19/23 17:29	7440-43-9	
Chromium	**13.6**	mg/kg	0.78	0.35	100	1	09/15/23 11:40	09/19/23 17:29	7440-47-3	
Cobalt	**7.3**	mg/kg	0.78	0.16	470	1	09/15/23 11:40	09/19/23 17:29	7440-48-4	
Copper	**12.2**	mg/kg	0.78	0.19	310	1	09/15/23 11:40	09/19/23 17:29	7440-50-8	
Lead	**9.8**	mg/kg	0.39	0.25	100	1	09/15/23 11:40	09/19/23 17:29	7439-92-1	
Nickel	**16.0**	mg/kg	3.1	2.5	160	1	09/15/23 11:40	09/19/23 17:29	7440-02-0	
Selenium	ND	mg/kg	1.6	0.46	20	1	09/15/23 11:40	09/19/23 17:29	7782-49-2	
Silver	ND	mg/kg	0.78	0.20	39	1	09/15/23 11:40	09/19/23 17:29	7440-22-4	
Thallium	ND	mg/kg	0.39	0.30	.55	1	09/15/23 11:40	09/19/23 17:29	7440-28-0	
Vanadium	**27.7**	mg/kg	3.9	1.6	55	1	09/15/23 11:40	09/19/23 17:29	7440-62-2	
Zinc	**40.7**	mg/kg	3.9	2.0	2300	1	09/15/23 11:40	09/19/23 17:29	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.030**	mg/kg	0.015	0.010		1	09/15/23 11:44	09/15/23 22:10	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 03:30	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 03:30	208-96-8	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (7-9) **Lab ID: 20289352018** Collected: 09/13/23 15:05 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 03:30	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 03:30	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 03:30	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 03:30	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 03:30	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 03:30	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 03:30	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:30	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 03:30	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 03:30	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 03:30	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 03:30	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 03:30	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 03:30	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 03:30	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 03:30	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 03:30	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 03:30	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 03:30	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 03:30	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 03:30	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 03:30	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 03:30	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 03:30	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 03:30	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 03:30	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 03:30	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 03:30	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 03:30	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 03:30	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 03:30	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 03:30	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 03:30	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 03:30	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 03:30	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 03:30	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 03:30	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 03:30	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 03:30	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:30	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 03:30	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 03:30	117-84-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (7-9) **Lab ID: 20289352018** Collected: 09/13/23 15:05 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 03:30	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 03:30	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 03:30	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 03:30	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 03:30	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 03:30	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 03:30	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 03:30	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 03:30	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 03:30	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 03:30	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 03:30	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 03:30	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 03:30	88-85-7	
Surrogates										
2-Fluorophenol (S)	68.9	%	12.0-120			1	09/22/23 06:23	09/23/23 03:30	367-12-4	
Phenol-d5 (S)	62.2	%	10.0-120			1	09/22/23 06:23	09/23/23 03:30	4165-62-2	
Nitrobenzene-d5 (S)	57.8	%	10.0-122			1	09/22/23 06:23	09/23/23 03:30	4165-60-0	
2-Fluorobiphenyl (S)	61.8	%	15.0-120			1	09/22/23 06:23	09/23/23 03:30	321-60-8	
2,4,6-Tribromophenol (S)	49.1	%	10.0-127			1	09/22/23 06:23	09/23/23 03:30	118-79-6	
Terphenyl-d14 (S)	72.9	%	10.0-120			1	09/22/23 06:23	09/23/23 03:30	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0097	0.0043	1.5	1	09/21/23 08:30	09/21/23 18:44	67-64-1	
Benzene	ND	mg/kg	0.0049	0.0013	.051	1	09/21/23 08:30	09/21/23 18:44	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0049	0.0015	.92	1	09/21/23 08:30	09/21/23 18:44	75-27-4	
Bromoform	ND	mg/kg	0.0049	0.0016	1.8	1	09/21/23 08:30	09/21/23 18:44	75-25-2	
Bromomethane	ND	mg/kg	0.0049	0.0014	.04	1	09/21/23 08:30	09/21/23 18:44	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0097	0.0028	5	1	09/21/23 08:30	09/21/23 18:44	78-93-3	
Carbon disulfide	ND	mg/kg	0.0049	0.0014	11	1	09/21/23 08:30	09/21/23 18:44	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	0.0010	.11	1	09/21/23 08:30	09/21/23 18:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	0.0014	3	1	09/21/23 08:30	09/21/23 18:44	108-90-7	
Chloroethane	ND	mg/kg	0.0049	0.0012	.035	1	09/21/23 08:30	09/21/23 18:44	75-00-3	
Chloroform	ND	mg/kg	0.0049	0.0014	.044	1	09/21/23 08:30	09/21/23 18:44	67-66-3	
Chloromethane	ND	mg/kg	0.0049	0.0012	.1	1	09/21/23 08:30	09/21/23 18:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0049	0.0017	.01	1	09/21/23 08:30	09/21/23 18:44	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0049	0.0015	1	1	09/21/23 08:30	09/21/23 18:44	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0049	0.0015	7.5	1	09/21/23 08:30	09/21/23 18:44	75-34-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (7-9) **Lab ID: 20289352018** Collected: 09/13/23 15:05 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2-Dichloroethane	ND	mg/kg	0.0049	0.0014	.035	1	09/21/23 08:30	09/21/23 18:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	0.0013	.085	1	09/21/23 08:30	09/21/23 18:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0013	.49	1	09/21/23 08:30	09/21/23 18:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0012	.77	1	09/21/23 08:30	09/21/23 18:44	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	0.0015	.042	1	09/21/23 08:30	09/21/23 18:44	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0014	.04	1	09/21/23 08:30	09/21/23 18:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0016	.04	1	09/21/23 08:30	09/21/23 18:44	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	0.0013	19	1	09/21/23 08:30	09/21/23 18:44	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/21/23 08:30	09/21/23 18:44	78-83-1	
Methylene Chloride	ND	mg/kg	0.0049	0.0045	.017	1	09/21/23 08:30	09/21/23 18:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0097	0.0018	6.4	1	09/21/23 08:30	09/21/23 18:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	0.0014	.077	1	09/21/23 08:30	09/21/23 18:44	1634-04-4	
Styrene	ND	mg/kg	0.0049	0.0016	11	1	09/21/23 08:30	09/21/23 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0014	.046	1	09/21/23 08:30	09/21/23 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0019	.006	1	09/21/23 08:30	09/21/23 18:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	0.0014	.18	1	09/21/23 08:30	09/21/23 18:44	127-18-4	
Toluene	ND	mg/kg	0.0049	0.0021	20	1	09/21/23 08:30	09/21/23 18:44	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	0.0015	14	1	09/21/23 08:30	09/21/23 18:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	0.0012	4	1	09/21/23 08:30	09/21/23 18:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	0.0015	.058	1	09/21/23 08:30	09/21/23 18:44	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	0.0014	.073	1	09/21/23 08:30	09/21/23 18:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	0.0012	37	1	09/21/23 08:30	09/21/23 18:44	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/21/23 08:30	09/21/23 18:44	75-01-4	
m&p-Xylene	ND	mg/kg	0.0097	0.0031	18	1	09/21/23 08:30	09/21/23 18:44	179601-23-1	
o-Xylene	ND	mg/kg	0.0049	0.0015	18	1	09/21/23 08:30	09/21/23 18:44	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 18:44	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	64-139			1	09/21/23 08:30	09/21/23 18:44	460-00-4	
Dibromofluoromethane (S)	101	%.	66-143			1	09/21/23 08:30	09/21/23 18:44	1868-53-7	
Chromium, Hexavalent, soluble	Analytical Method: EPA 7196 Preparation Method: EPA 7196 Pace Analytical Services - New Orleans									
Chromium, Hexavalent	ND	mg/kg	0.99	0.84		10	09/20/23 12:10	09/20/23 17:01	18540-29-9	D3

Sample: B-13 (14-16) **Lab ID: 20289352019** Collected: 09/13/23 15:00 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 09:49		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (14-16) **Lab ID: 20289352019** Collected: 09/13/23 15:00 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 08:05	09/22/23 09:49		
Aliphatic (>C16-C35)	**2.95J**	mg/kg	100	1.68		1	09/21/23 08:05	09/22/23 09:49	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:23		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:23		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:23		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 08:05	09/22/23 05:23		
Surrogates										
o-Terphenyl (S)	71.4	%	40.0-140			1	09/21/23 08:05	09/22/23 05:23	84-15-1	
1-Chloro-octadecane (S)	78.9	%	40.0-140			1	09/21/23 08:05	09/22/23 09:49		
2-Fluorobiphenyl (S)	92.1	%	40.0-140			1	09/21/23 08:05	09/22/23 05:23	321-60-8	
2-Bromonaphthalene (S)	91.4	%	40.0-140			1	09/21/23 08:05	09/22/23 05:23	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4070	1720	1200000	1	09/15/23 08:30	09/15/23 15:03		
Aliphatic (>C08-C10)	ND	ug/kg	3350	2000	120000	1	09/15/23 08:30	09/15/23 15:03		
Aromatic (>C08-C10)	ND	ug/kg	3350	1370	65000	1	09/15/23 08:30	09/15/23 15:03		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1	09/15/23 08:30	09/15/23 15:03	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.3	0.35	3.1	1	09/15/23 11:40	09/19/23 17:32	7440-36-0	
Arsenic	**3.3**	mg/kg	0.78	0.38	12	1	09/15/23 11:40	09/19/23 17:32	7440-38-2	
Barium	**75.8**	mg/kg	15.6	0.77	550	1	09/15/23 11:40	09/19/23 17:32	7440-39-3	
Beryllium	**0.23J**	mg/kg	0.39	0.057	8	1	09/15/23 11:40	09/19/23 17:32	7440-41-7	
Cadmium	ND	mg/kg	0.39	0.055	3.9	1	09/15/23 11:40	09/19/23 17:32	7440-43-9	
Chromium	**8.2**	mg/kg	0.78	0.35	100	1	09/15/23 11:40	09/19/23 17:32	7440-47-3	
Cobalt	**4.2**	mg/kg	0.78	0.16	470	1	09/15/23 11:40	09/19/23 17:32	7440-48-4	
Copper	**5.9**	mg/kg	0.78	0.19	310	1	09/15/23 11:40	09/19/23 17:32	7440-50-8	
Lead	**5.2**	mg/kg	0.39	0.25	100	1	09/15/23 11:40	09/19/23 17:32	7439-92-1	
Nickel	**9.8**	mg/kg	3.1	2.5	160	1	09/15/23 11:40	09/19/23 17:32	7440-02-0	
Selenium	ND	mg/kg	1.6	0.46	20	1	09/15/23 11:40	09/19/23 17:32	7782-49-2	
Silver	ND	mg/kg	0.78	0.20	39	1	09/15/23 11:40	09/19/23 17:32	7440-22-4	
Thallium	ND	mg/kg	0.39	0.30	.55	1	09/15/23 11:40	09/19/23 17:32	7440-28-0	
Vanadium	**14.2**	mg/kg	3.9	1.6	55	1	09/15/23 11:40	09/19/23 17:32	7440-62-2	
Zinc	**25.6**	mg/kg	3.9	2.0	2300	1	09/15/23 11:40	09/19/23 17:32	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.026**	mg/kg	0.015	0.0095		1	09/15/23 11:44	09/15/23 22:12	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (14-16) **Lab ID: 20289352019** Collected: 09/13/23 15:00 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/22/23 06:23	09/23/23 04:36	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/22/23 06:23	09/23/23 04:36	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/22/23 06:23	09/23/23 04:36	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/22/23 06:23	09/23/23 04:36	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/22/23 06:23	09/23/23 04:36	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/22/23 06:23	09/23/23 04:36	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/22/23 06:23	09/23/23 04:36	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/22/23 06:23	09/23/23 04:36	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 04:36	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:36	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/22/23 06:23	09/23/23 04:36	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/22/23 06:23	09/23/23 04:36	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/22/23 06:23	09/23/23 04:36	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/22/23 06:23	09/23/23 04:36	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 04:36	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/22/23 06:23	09/23/23 04:36	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/22/23 06:23	09/23/23 04:36	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/22/23 06:23	09/23/23 04:36	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/22/23 06:23	09/23/23 04:36	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/22/23 06:23	09/23/23 04:36	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/22/23 06:23	09/23/23 04:36	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/22/23 06:23	09/23/23 04:36	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/22/23 06:23	09/23/23 04:36	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/22/23 06:23	09/23/23 04:36	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/22/23 06:23	09/23/23 04:36	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/22/23 06:23	09/23/23 04:36	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/22/23 06:23	09/23/23 04:36	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/22/23 06:23	09/23/23 04:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/22/23 06:23	09/23/23 04:36	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/22/23 06:23	09/23/23 04:36	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/22/23 06:23	09/23/23 04:36	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 04:36	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/22/23 06:23	09/23/23 04:36	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/22/23 06:23	09/23/23 04:36	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/22/23 06:23	09/23/23 04:36	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/22/23 06:23	09/23/23 04:36	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/22/23 06:23	09/23/23 04:36	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/22/23 06:23	09/23/23 04:36	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/22/23 06:23	09/23/23 04:36	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 04:36	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/22/23 06:23	09/23/23 04:36	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:36	84-66-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (14-16) **Lab ID: 20289352019** Collected: 09/13/23 15:00 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/22/23 06:23	09/23/23 04:36	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/22/23 06:23	09/23/23 04:36	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/22/23 06:23	09/23/23 04:36	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/22/23 06:23	09/23/23 04:36	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/22/23 06:23	09/23/23 04:36	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/22/23 06:23	09/23/23 04:36	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/22/23 06:23	09/23/23 04:36	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/22/23 06:23	09/23/23 04:36	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/22/23 06:23	09/23/23 04:36	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/22/23 06:23	09/23/23 04:36	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/22/23 06:23	09/23/23 04:36	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/22/23 06:23	09/23/23 04:36	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/22/23 06:23	09/23/23 04:36	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/22/23 06:23	09/23/23 04:36	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/22/23 06:23	09/23/23 04:36	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/22/23 06:23	09/23/23 04:36	88-85-7	
Surrogates										
2-Fluorophenol (S)	64.5	%	12.0-120			1	09/22/23 06:23	09/23/23 04:36	367-12-4	
Phenol-d5 (S)	57.6	%	10.0-120			1	09/22/23 06:23	09/23/23 04:36	4165-62-2	
Nitrobenzene-d5 (S)	50.8	%	10.0-122			1	09/22/23 06:23	09/23/23 04:36	4165-60-0	
2-Fluorobiphenyl (S)	58.3	%	15.0-120			1	09/22/23 06:23	09/23/23 04:36	321-60-8	
2,4,6-Tribromophenol (S)	55.1	%	10.0-127			1	09/22/23 06:23	09/23/23 04:36	118-79-6	
Terphenyl-d14 (S)	71.3	%	10.0-120			1	09/22/23 06:23	09/23/23 04:36	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0060J**	mg/kg	0.0097	0.0043	1.5	1	09/21/23 08:30	09/21/23 19:03	67-64-1	
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/21/23 08:30	09/21/23 19:03	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0015	.92	1	09/21/23 08:30	09/21/23 19:03	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/21/23 08:30	09/21/23 19:03	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/21/23 08:30	09/21/23 19:03	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0097	0.0028	5	1	09/21/23 08:30	09/21/23 19:03	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/21/23 08:30	09/21/23 19:03	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/21/23 08:30	09/21/23 19:03	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/21/23 08:30	09/21/23 19:03	108-90-7	
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/21/23 08:30	09/21/23 19:03	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0014	.044	1	09/21/23 08:30	09/21/23 19:03	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/21/23 08:30	09/21/23 19:03	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/21/23 08:30	09/21/23 19:03	96-12-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Sample: B-13 (14-16) **Lab ID: 20289352019** Collected: 09/13/23 15:00 Received: 09/14/23 10:35 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/21/23 08:30	09/21/23 19:03	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0015	7.5	1	09/21/23 08:30	09/21/23 19:03	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/21/23 08:30	09/21/23 19:03	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0013	.085	1	09/21/23 08:30	09/21/23 19:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/21/23 08:30	09/21/23 19:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/21/23 08:30	09/21/23 19:03	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0015	.042	1	09/21/23 08:30	09/21/23 19:03	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/21/23 08:30	09/21/23 19:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0016	.04	1	09/21/23 08:30	09/21/23 19:03	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/21/23 08:30	09/21/23 19:03	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/21/23 08:30	09/21/23 19:03	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0045	.017	1	09/21/23 08:30	09/21/23 19:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0097	0.0018	6.4	1	09/21/23 08:30	09/21/23 19:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/21/23 08:30	09/21/23 19:03	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0016	11	1	09/21/23 08:30	09/21/23 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/21/23 08:30	09/21/23 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0019	.006	1	09/21/23 08:30	09/21/23 19:03	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/21/23 08:30	09/21/23 19:03	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0021	20	1	09/21/23 08:30	09/21/23 19:03	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0015	14	1	09/21/23 08:30	09/21/23 19:03	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/21/23 08:30	09/21/23 19:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0015	.058	1	09/21/23 08:30	09/21/23 19:03	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/21/23 08:30	09/21/23 19:03	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/21/23 08:30	09/21/23 19:03	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/21/23 08:30	09/21/23 19:03	75-01-4	
m&p-Xylene	ND	mg/kg	0.0097	0.0031	18	1	09/21/23 08:30	09/21/23 19:03	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/21/23 08:30	09/21/23 19:03	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/21/23 08:30	09/21/23 19:03	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	64-139			1	09/21/23 08:30	09/21/23 19:03	460-00-4	
Dibromofluoromethane (S)	102	%.	66-143			1	09/21/23 08:30	09/21/23 19:03	1868-53-7	
Chromium, Hexavalent, soluble	Analytical Method: EPA 7196 Preparation Method: EPA 7196 Pace Analytical Services - New Orleans									
Chromium, Hexavalent	ND	mg/kg	0.96	0.81		10	09/20/23 12:10	09/20/23 17:01	18540-29-9	D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 2135760
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289352001

METHOD BLANK: R3975701-1 Matrix: Water
Associated Lab Samples: 20289352001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	09/20/23 19:31	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/20/23 19:31	
Aliphatic (>C16-C35)	mg/L	0.0580J	0.150	0.0500	09/20/23 19:31	J
1-Chloro-octadecane (S)	%	101	40.0-140		09/20/23 19:31	

METHOD BLANK: R3975701-4 Matrix: Water
Associated Lab Samples: 20289352001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	09/20/23 21:03	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/20/23 21:03	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	09/20/23 21:03	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	09/20/23 21:03	
o-Terphenyl (S)	%	95.8	40.0-140		09/20/23 21:03	
2-Fluorobiphenyl (S)	%	97.1	40.0-140		09/20/23 21:03	
2-Bromonaphthalene (S)	%	98.5	40.0-140		09/20/23 21:03	

LABORATORY CONTROL SAMPLE & LCSD: R3975701-2 R3975701-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0750	0.0680	75.0	68.0	40.0-140	9.80	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.190	0.190	95.0	95.0	40.0-140	0.00	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.820	0.830	100	100	40.0-140	1.20	50	
1-Chloro-octadecane (S)	%				89.6	93.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3975701-5 R3975701-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0830	0.0760	83.0	76.0	40.0-140	8.80	50	
Aromatic (>C12-C16)	mg/L	0.300	0.280	0.260	93.0	87.0	40.0-140	7.40	50	
Aromatic (>C16-C21)	mg/L	0.500	0.520	0.480	100	96.0	40.0-140	8.00	50	
Aromatic (>C21-C35)	mg/L	0.800	0.820	0.700	100	88.0	40.0-140	16.0	50	
o-Terphenyl (S)	%				93.6	88.0	40.0-140			
2-Fluorobiphenyl (S)	%				104	101	40.0-140			
2-Bromonaphthalene (S)	%				106	103	40.0-140			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 2136453
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352009, 20289352010

METHOD BLANK: R3976762-1 Matrix: Solid
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352009, 20289352010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/21/23 13:16	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/21/23 13:16	
Aliphatic (>C16-C35)	mg/kg	2.43J	100	1.68	09/21/23 13:16	J
1-Chloro-octadecane (S)	%	66.7	40.0-140		09/21/23 13:16	

METHOD BLANK: R3976762-4 Matrix: Solid
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352009, 20289352010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/21/23 14:36	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/21/23 14:36	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/21/23 14:36	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/21/23 14:36	
o-Terphenyl (S)	%	60.5	40.0-140		09/21/23 14:36	
2-Fluorobiphenyl (S)	%	72.4	40.0-140		09/21/23 14:36	
2-Bromonaphthalene (S)	%	72.7	40.0-140		09/21/23 14:36	

LABORATORY CONTROL SAMPLE & LCSD: R3976762-2 R3976762-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	3.79	4.37	57.0	65.7	40.0-140	14.2	50	
Aliphatic (>C12-C16)	mg/kg	13.3	7.73	8.89	58.1	66.8	40.0-140	14.0	50	
Aliphatic (>C16-C35)	mg/kg	53.2	31.4	36.3	59.0	68.2	40.0-140	14.5	50	
1-Chloro-octadecane (S)	%				57.9	65.6	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3976762-5 R3976762-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	4.32	4.66	65.0	70.1	40.0-140	7.57	50	
Aromatic (>C12-C16)	mg/kg	20.0	11.9	12.7	59.5	63.5	40.0-140	6.50	50	
Aromatic (>C16-C21)	mg/kg	33.3	22.4	23.9	67.3	71.8	40.0-140	6.48	50	
Aromatic (>C21-C35)	mg/kg	53.2	34.1	37.1	64.1	69.7	40.0-140	8.43	50	
o-Terphenyl (S)	%				66.0	69.7	40.0-140			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE & LCSD: R3976762-5 R3976762-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Fluorobiphenyl (S)	%				80.5	81.2	40.0-140			
2-Bromonaphthalene (S)	%				81.4	81.8	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976762-8 R3976762-7

Parameter	Units	L1656797-05 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.40	6.40	47.7	47.2	745	738	40.0-140	1.05	50	MH
Aliphatic (>C12-C16)	mg/kg	ND	12.8	12.8	155	149	1210	1160	40.0-140	3.95	50	MH
Aliphatic (>C16-C35)	mg/kg	ND	51.2	51.2	319	315	623	615	40.0-140	1.26	50	MH
1-Chloro-octadecane (S)	%						64.5	64.0	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976762-9 R3976762-10

Parameter	Units	L1656797-05 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.40	6.40	10.6	10.3	166	161	40.0-140	2.87	50	MH
Aromatic (>C12-C16)	mg/kg	ND	19.2	19.2	53.5	49.5	279	258	40.0-140	7.77	50	MH
Aromatic (>C16-C21)	mg/kg	ND	32.0	32.0	103	91.8	322	287	40.0-140	11.5	50	MH
Aromatic (>C21-C35)	mg/kg	ND	51.2	51.2	60.7	55.5	119	108	40.0-140	8.95	50	
o-Terphenyl (S)	%						86.7	82.2	40.0-140			
2-Fluorobiphenyl (S)	%						80.7	78.5	40.0-140			
2-Bromonaphthalene (S)	%						94.2	84.9	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 2136882
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289352011, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

METHOD BLANK: R3976778-1 Matrix: Solid
Associated Lab Samples: 20289352011, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/22/23 01:41	
o-Terphenyl (S)	%	88.2	40.0-140		09/22/23 01:41	
2-Fluorobiphenyl (S)	%	94.4	40.0-140		09/22/23 01:41	
2-Bromonaphthalene (S)	%	92.3	40.0-140		09/22/23 01:41	

METHOD BLANK: R3976778-4 Matrix: Solid
Associated Lab Samples: 20289352011, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/22/23 02:48	
Aliphatic (>C12-C16)	mg/kg	1.68J	25.0	1.68	09/22/23 02:48	J
Aliphatic (>C16-C35)	mg/kg	3.45J	100	1.68	09/22/23 02:48	J
1-Chloro-octadecane (S)	%	94.9	40.0-140		09/22/23 02:48	

LABORATORY CONTROL SAMPLE & LCSD: R3976778-2 R3976778-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	5.89	5.87	88.6	88.3	40.0-140	0.340	50	
Aromatic (>C12-C16)	mg/kg	20.0	18.4	18.2	92.0	91.0	40.0-140	1.09	50	
Aromatic (>C16-C21)	mg/kg	33.3	31.6	31.1	94.9	93.4	40.0-140	1.59	50	
Aromatic (>C21-C35)	mg/kg	53.2	43.0	41.2	80.8	77.4	40.0-140	4.28	50	
o-Terphenyl (S)	%				87.0	86.7	40.0-140			
2-Fluorobiphenyl (S)	%				96.1	97.0	40.0-140			
2-Bromonaphthalene (S)	%				96.2	97.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3976778-5 R3976778-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	6.81	6.61	102	99.4	40.0-140	2.98	50	
Aliphatic (>C12-C16)	mg/kg	13.3	14.1	13.7	106	103	40.0-140	2.88	50	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE & LCSD: R3976778-5 R3976778-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C16-C35)	mg/kg	53.2	53.5	52.3	101	98.3	40.0-140	2.27	50	
1-Chloro-octadecane (S)	%				93.8	93.2	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976778-7 R3976778-8

Parameter	Units	L1656751-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.65	6.50	5.63	5.84	84.7	89.8	40.0-140	3.66	50	
Aromatic (>C12-C16)	mg/kg	ND	20.0	19.5	17.8	18.4	89.0	94.4	40.0-140	3.31	50	
Aromatic (>C16-C21)	mg/kg	ND	33.3	32.5	30.6	32.6	91.9	100	40.0-140	6.33	50	
Aromatic (>C21-C35)	mg/kg	ND	53.2	52.0	45.1	50.4	84.8	96.9	40.0-140	11.1	50	
o-Terphenyl (S)	%						85.3	91.3	40.0-140			
2-Fluorobiphenyl (S)	%						93.8	101	40.0-140			
2-Bromonaphthalene (S)	%						93.4	103	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976778-9 R3976778-10

Parameter	Units	L1656751-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.65	6.50	6.82	6.40	103	98.5	40.0-140	6.35	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.3	13.0	14.6	13.5	110	104	40.0-140	7.83	50	
Aliphatic (>C16-C35)	mg/kg	3.15	53.2	52.0	56.3	52.8	99.9	95.5	40.0-140	6.42	50	
1-Chloro-octadecane (S)	%						100	94.2	40.0-140			

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 299189 | Analysis Method: MADEP VPH Mod
QC Batch Method: EPA 5035 | Analysis Description: 8015 Solid VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

METHOD BLANK: 1432828 Matrix: Solid
Associated Lab Samples: 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/kg	ND	3500	2080	09/15/23 10:07	
Aliphatic (C06-C08)	ug/kg	ND	4250	1800	09/15/23 10:07	
Aromatic (>C08-C10)	ug/kg	ND	3500	1430	09/15/23 10:07	
4-Bromofluorobenzene (S)	%.	99	63-133		09/15/23 10:07	

LABORATORY CONTROL SAMPLE: 1432829

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/kg	14000	12600	90	72-127	
Aliphatic (C06-C08)	ug/kg	14000	13300	95	75-141	
Aromatic (>C08-C10)	ug/kg	14000	13100	94	76-136	
4-Bromofluorobenzene (S)	%.			101	63-133	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 299803
QC Batch Method: EPA 5035
Analysis Method: MADEP VPH Mod
Analysis Description: 8015 Solid VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289352002, 20289352003, 20289352004

METHOD BLANK: 1435585 Matrix: Solid
Associated Lab Samples: 20289352002, 20289352003, 20289352004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/kg	ND	3500	1160	09/20/23 11:05	
Aliphatic (C06-C08)	ug/kg	ND	4250	932	09/20/23 11:05	
Aromatic (>C08-C10)	ug/kg	ND	3500	335	09/20/23 11:05	
4-Bromofluorobenzene (S)	%.	101	63-133		09/20/23 11:05	

LABORATORY CONTROL SAMPLE: 1435586

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/kg	14000	13000	93	72-127	
Aliphatic (C06-C08)	ug/kg	14000	12900	92	75-141	
Aromatic (>C08-C10)	ug/kg	14000	13400	95	76-136	
4-Bromofluorobenzene (S)	%.			100	63-133	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 299279
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289352001

METHOD BLANK: 1433414 Matrix: Water
Associated Lab Samples: 20289352001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000018	09/15/23 22:22	

LABORATORY CONTROL SAMPLE: 1433415

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.0011	111	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433416 1433417

Parameter	Units	20289275006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.001	0.001	0.0011	0.0011	106	106	75-125	0	20	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 299176
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352009, 20289352010, 20289352011, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

METHOD BLANK: 1432806
Matrix: Solid
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352009, 20289352010, 20289352011, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	0.013	09/15/23 21:13	

LABORATORY CONTROL SAMPLE: 1432807

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.1	0.10	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1432808 1432809

Parameter	Units	20289352005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.063	0.083	0.081	0.11	0.11	58	57	75-125	1	20	M1

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 299173
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352009, 20289352010, 20289352011, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

METHOD BLANK: 1432802
Matrix: Solid
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352009, 20289352010, 20289352011, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/kg	ND	3.0	0.45	09/19/23 14:29	
Arsenic	mg/kg	ND	1.0	0.48	09/19/23 14:29	
Barium	mg/kg	ND	20.0	0.98	09/19/23 14:29	
Beryllium	mg/kg	ND	0.50	0.073	09/19/23 14:29	
Cadmium	mg/kg	ND	0.50	0.071	09/19/23 14:29	
Chromium	mg/kg	ND	1.0	0.45	09/19/23 14:29	
Cobalt	mg/kg	ND	1.0	0.21	09/19/23 14:29	
Copper	mg/kg	ND	1.0	0.24	09/19/23 14:29	
Lead	mg/kg	ND	0.50	0.32	09/19/23 14:29	
Nickel	mg/kg	ND	4.0	3.2	09/19/23 14:29	
Selenium	mg/kg	ND	2.0	0.59	09/19/23 14:29	
Silver	mg/kg	ND	1.0	0.26	09/19/23 14:29	
Thallium	mg/kg	ND	0.50	0.38	09/19/23 14:29	
Vanadium	mg/kg	ND	5.0	2.0	09/19/23 14:29	
Zinc	mg/kg	ND	5.0	2.6	09/19/23 14:29	

LABORATORY CONTROL SAMPLE: 1432803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	100	101	101	85-115	
Arsenic	mg/kg	100	104	104	84-115	
Barium	mg/kg	100	108	108	85-115	
Beryllium	mg/kg	100	108	108	85-115	
Cadmium	mg/kg	100	109	109	85-115	
Chromium	mg/kg	100	114	114	85-115	
Cobalt	mg/kg	100	108	108	85-115	
Copper	mg/kg	100	108	108	85-115	
Lead	mg/kg	100	109	109	85-115	
Nickel	mg/kg	100	110	110	85-115	
Selenium	mg/kg	100	93.7	94	77-115	
Silver	mg/kg	50	54.0	108	85-115	
Thallium	mg/kg	50	51.5	103	79-115	
Vanadium	mg/kg	100	109	109	85-115	
Zinc	mg/kg	100	101	101	85-115	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1432804 1432805

Parameter	Units	20289352002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	83.3	84.7	35.7	36.0	42	42	80-120	1	20	M1
Arsenic	mg/kg	6.3	83.3	84.7	85.8	86.9	95	95	80-120	1	20	
Barium	mg/kg	148	83.3	84.7	250	263	124	136	80-120	5	20	M1
Beryllium	mg/kg	0.53	83.3	84.7	87.2	88.4	104	104	80-120	1	20	
Cadmium	mg/kg	ND	83.3	84.7	83.1	84.2	100	99	80-120	1	20	
Chromium	mg/kg	15.4	83.3	84.7	107	108	110	109	80-120	1	20	
Cobalt	mg/kg	5.3	83.3	84.7	89.3	89.2	101	99	80-120	0	20	
Copper	mg/kg	15.5	83.3	84.7	100	103	102	103	80-120	3	20	
Lead	mg/kg	17.9	83.3	84.7	101	103	100	101	80-120	2	20	
Nickel	mg/kg	14.4	83.3	84.7	101	100	103	101	80-120	0	20	
Selenium	mg/kg	0.59J	83.3	84.7	74.3	75.9	88	89	80-120	2	20	
Silver	mg/kg	ND	41.7	42.4	42.6	43.0	102	102	80-120	1	20	
Thallium	mg/kg	ND	41.7	42.4	38.9	40.0	93	94	80-120	3	20	
Vanadium	mg/kg	27.0	83.3	84.7	122	124	114	114	80-120	1	20	
Zinc	mg/kg	55.9	83.3	84.7	134	138	94	97	80-120	3	20	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 299275
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans

Associated Lab Samples: 20289352001

METHOD BLANK: 1433395 Matrix: Water
Associated Lab Samples: 20289352001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0010	0.00034	09/18/23 13:36	
Arsenic	mg/L	ND	0.0010	0.00010	09/18/23 13:36	
Barium	mg/L	ND	0.0010	0.00064	09/18/23 13:36	
Beryllium	mg/L	ND	0.0010	0.00021	09/18/23 13:36	
Cadmium	mg/L	ND	0.0010	0.00019	09/18/23 13:36	
Chromium	mg/L	ND	0.0010	0.00063	09/18/23 13:36	
Cobalt	mg/L	ND	0.0010	0.00012	09/18/23 13:36	
Copper	mg/L	ND	0.0030	0.0017	09/18/23 13:36	
Lead	mg/L	ND	0.0010	0.00069	09/18/23 13:36	
Nickel	mg/L	ND	0.0010	0.00062	09/18/23 13:36	
Selenium	mg/L	ND	0.0010	0.00026	09/18/23 13:36	
Silver	mg/L	ND	0.00050	0.00020	09/18/23 13:36	
Thallium	mg/L	ND	0.00050	0.00011	09/18/23 13:36	
Vanadium	mg/L	ND	0.0050	0.00023	09/18/23 13:36	
Zinc	mg/L	ND	0.010	0.0072	09/18/23 13:36	

LABORATORY CONTROL SAMPLE: 1433396

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.06	0.064	106	85-115	
Arsenic	mg/L	0.06	0.063	105	85-115	
Barium	mg/L	0.06	0.064	107	85-115	
Beryllium	mg/L	0.06	0.058	97	84-115	
Cadmium	mg/L	0.06	0.064	107	85-115	
Chromium	mg/L	0.06	0.066	109	85-115	
Cobalt	mg/L	0.06	0.065	108	85-115	
Copper	mg/L	0.06	0.065	108	85-116	
Lead	mg/L	0.06	0.065	108	85-115	
Nickel	mg/L	0.06	0.065	108	85-115	
Selenium	mg/L	0.06	0.062	104	85-115	
Silver	mg/L	0.03	0.033	111	85-115	
Thallium	mg/L	0.03	0.032	108	85-115	
Vanadium	mg/L	0.06	0.065	109	85-115	
Zinc	mg/L	0.06	0.065	109	85-121	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433397 1433398

Parameter	Units	20289073001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.06	0.06	0.062	0.063	103	105	80-120	1	20	
Arsenic	mg/L	0.060	0.06	0.06	0.12	0.12	102	108	80-120	3	20	
Barium	mg/L	0.056	0.06	0.06	0.12	0.12	109	110	80-120	0	20	
Beryllium	mg/L	ND	0.06	0.06	0.055	0.059	92	98	80-120	6	20	
Cadmium	mg/L	0.0092	0.06	0.06	0.069	0.070	100	102	80-120	2	20	
Chromium	mg/L	ND	0.06	0.06	0.063	0.064	104	106	80-120	2	20	
Cobalt	mg/L	0.00049J	0.06	0.06	0.060	0.062	100	102	80-120	3	20	
Copper	mg/L	ND	0.06	0.06	0.062	0.063	98	101	80-120	2	20	
Lead	mg/L	ND	0.06	0.06	0.062	0.063	104	105	80-120	1	20	
Nickel	mg/L	0.0070	0.06	0.06	0.068	0.069	101	104	80-120	3	20	
Selenium	mg/L	0.00061J	0.06	0.06	0.060	0.062	99	103	80-120	4	20	
Silver	mg/L	ND	0.03	0.03	0.030	0.031	100	104	80-120	3	20	
Thallium	mg/L	ND	0.03	0.03	0.031	0.032	104	106	80-120	2	20	
Vanadium	mg/L	0.00099J	0.06	0.06	0.063	0.064	104	105	80-120	1	20	
Zinc	mg/L	0.030	0.06	0.06	0.089	0.091	99	102	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 2134701
QC Batch Method: 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 20289352001

METHOD BLANK: R3975668-3 Matrix: Water
Associated Lab Samples: 20289352001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/L	ND	0.0000500	0.0000190	09/19/23 19:41	
Acenaphthene	mg/L	ND	0.0000500	0.0000190	09/19/23 19:41	
Acenaphthylene	mg/L	ND	0.0000500	0.0000170	09/19/23 19:41	
Benzo(a)anthracene	mg/L	ND	0.0000500	0.0000200	09/19/23 19:41	
Benzo(a)pyrene	mg/L	ND	0.0000500	0.0000180	09/19/23 19:41	
Benzo(b)fluoranthene	mg/L	ND	0.0000500	0.0000170	09/19/23 19:41	
Benzo(k)fluoranthene	mg/L	ND	0.000250	0.0000200	09/19/23 19:41	
Chrysene	mg/L	ND	0.0000500	0.0000180	09/19/23 19:41	
Dibenz(a,h)anthracene	mg/L	ND	0.0000500	0.0000180	09/19/23 19:41	
Fluoranthene	mg/L	ND	0.0000500	0.0000110	09/19/23 19:41	
Fluorene	mg/L	ND	0.0000500	0.0000170	09/19/23 19:41	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.0000500	0.0000180	09/19/23 19:41	
Naphthalene	mg/L	ND	0.000500	0.000128	09/19/23 19:41	
Phenanthrene	mg/L	ND	0.0000500	0.0000180	09/19/23 19:41	
Pyrene	mg/L	ND	0.0000500	0.0000170	09/19/23 19:41	
2-Methylnaphthalene	mg/L	ND	0.000500	0.0000280	09/19/23 19:41	
2-Chloronaphthalene	mg/L	ND	0.000500	0.0000120	09/19/23 19:41	
Nitrobenzene-d5 (S)	%	89	11.0-135		09/19/23 19:41	
2-Fluorobiphenyl (S)	%	80.5	32.0-120		09/19/23 19:41	
Terphenyl-d14 (S)	%	92.5	23.0-122		09/19/23 19:41	

LABORATORY CONTROL SAMPLE & LCSD: R3975668-1 R3975668-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Anthracene	mg/L	0.00200	0.00148	0.00161	74.0	80.5	43.0-127	8.41	20	
Acenaphthene	mg/L	0.00200	0.00153	0.00164	76.5	82.0	42.0-120	6.94	20	
Acenaphthylene	mg/L	0.00200	0.00155	0.00166	77.5	83.0	43.0-120	6.85	20	
Benzo(a)anthracene	mg/L	0.00200	0.00181	0.00192	90.5	96.0	46.0-120	5.90	20	
Benzo(a)pyrene	mg/L	0.00200	0.00177	0.00195	88.5	97.5	44.0-122	9.68	20	
Benzo(b)fluoranthene	mg/L	0.00200	0.00179	0.00189	89.5	94.5	43.0-122	5.43	20	
Benzo(k)fluoranthene	mg/L	0.00200	0.00179	0.00186	89.5	93.0	39.0-128	3.84	22	
Chrysene	mg/L	0.00200	0.00177	0.00186	88.5	93.0	42.0-129	4.96	20	
Dibenz(a,h)anthracene	mg/L	0.00200	0.00189	0.00198	94.5	99.0	25.0-139	4.65	22	
Fluoranthene	mg/L	0.00200	0.00169	0.00180	84.5	90.0	48.0-131	6.30	20	
Fluorene	mg/L	0.00200	0.00166	0.00175	83.0	87.5	42.0-120	5.28	20	
Indeno(1,2,3-cd)pyrene	mg/L	0.00200	0.00203	0.00212	102	106	37.0-133	4.34	20	
Naphthalene	mg/L	0.00200	0.00144	0.00156	72.0	78.0	30.0-120	8.00	22	
Phenanthrene	mg/L	0.00200	0.00161	0.00168	80.5	84.0	42.0-120	4.26	20	
Pyrene	mg/L	0.00200	0.00182	0.00193	91.0	96.5	38.0-124	5.87	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE & LCSD: R3975668-1 R3975668-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Methylnaphthalene	mg/L	0.00200	0.00156	0.00169	78.0	84.5	40.0-120	8.00	20	
2-Chloronaphthalene	mg/L	0.00200	0.00143	0.00156	71.5	78.0	39.0-120	8.70	20	
Nitrobenzene-d5 (S)	%				81.5	87.5	11.0-135			
2-Fluorobiphenyl (S)	%				74.0	79.5	32.0-120			
Terphenyl-d14 (S)	%				88.0	92.0	23.0-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 2136428
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017

METHOD BLANK: R3976065-3
Matrix: Solid
Associated Lab Samples: 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	09/21/23 12:36	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	09/21/23 12:36	
Aniline	mg/kg	ND	0.333	0.0311	09/21/23 12:36	
Anthracene	mg/kg	ND	0.0333	0.00593	09/21/23 12:36	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	09/21/23 12:36	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	09/21/23 12:36	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	09/21/23 12:36	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	09/21/23 12:36	
Biphenyl (Diphenyl)	mg/kg	ND	0.333	0.0106	09/21/23 12:36	
bis(2-Chloroethyl) ether	mg/kg	ND	0.333	0.0110	09/21/23 12:36	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.333	0.0144	09/21/23 12:36	
2-Chloronaphthalene	mg/kg	ND	0.0333	0.00585	09/21/23 12:36	
Chrysene	mg/kg	ND	0.0333	0.00662	09/21/23 12:36	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	09/21/23 12:36	
Dibenzofuran	mg/kg	ND	0.333	0.0109	09/21/23 12:36	
4-Chloroaniline	mg/kg	ND	0.333	0.0120	09/21/23 12:36	
1,2-Dichlorobenzene	mg/kg	ND	0.333	0.00987	09/21/23 12:36	
1,3-Dichlorobenzene	mg/kg	ND	0.333	0.0101	09/21/23 12:36	
1,4-Dichlorobenzene	mg/kg	ND	0.333	0.00991	09/21/23 12:36	
3,3'-Dichlorobenzidine	mg/kg	ND	0.333	0.0123	09/21/23 12:36	
2,4-Dinitrotoluene	mg/kg	ND	0.333	0.00955	09/21/23 12:36	
2,6-Dinitrotoluene	mg/kg	ND	0.333	0.0109	09/21/23 12:36	
Fluoranthene	mg/kg	ND	0.0333	0.00601	09/21/23 12:36	
Fluorene	mg/kg	ND	0.0333	0.00542	09/21/23 12:36	
Hexachlorobenzene	mg/kg	ND	0.333	0.0118	09/21/23 12:36	
Hexachloro-1,3-butadiene	mg/kg	ND	0.333	0.0112	09/21/23 12:36	
Hexachlorocyclopentadiene	mg/kg	ND	0.333	0.0175	09/21/23 12:36	
Hexachloroethane	mg/kg	ND	0.333	0.0131	09/21/23 12:36	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	09/21/23 12:36	
Isophorone	mg/kg	ND	0.333	0.0102	09/21/23 12:36	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	09/21/23 12:36	
2-Nitroaniline	mg/kg	ND	0.333	0.0107	09/21/23 12:36	
3-Nitroaniline	mg/kg	ND	0.333	0.0106	09/21/23 12:36	
4-Nitroaniline	mg/kg	ND	0.333	0.00971	09/21/23 12:36	
Naphthalene	mg/kg	ND	0.0333	0.00836	09/21/23 12:36	
Nitrobenzene	mg/kg	ND	0.333	0.0116	09/21/23 12:36	
N-Nitrosodiphenylamine	mg/kg	ND	0.333	0.0252	09/21/23 12:36	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.333	0.0111	09/21/23 12:36	
Phenanthrene	mg/kg	ND	0.0333	0.00661	09/21/23 12:36	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

METHOD BLANK: R3976065-3 Matrix: Solid

Associated Lab Samples: 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.333	0.0104	09/21/23 12:36	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	09/21/23 12:36	
Diethylphthalate	mg/kg	ND	0.333	0.0110	09/21/23 12:36	
Dimethylphthalate	mg/kg	ND	0.333	0.0706	09/21/23 12:36	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	09/21/23 12:36	
Pyrene	mg/kg	ND	0.0333	0.00648	09/21/23 12:36	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.333	0.0159	09/21/23 12:36	
2-Chlorophenol	mg/kg	ND	0.333	0.0110	09/21/23 12:36	
2,4-Dichlorophenol	mg/kg	ND	0.333	0.00970	09/21/23 12:36	
2,4-Dimethylphenol	mg/kg	ND	0.333	0.00870	09/21/23 12:36	
2,4-Dinitrophenol	mg/kg	ND	0.333	0.0779	09/21/23 12:36	
4-Nitrophenol	mg/kg	ND	0.333	0.0104	09/21/23 12:36	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	09/21/23 12:36	
Phenol	mg/kg	ND	0.333	0.0134	09/21/23 12:36	
2,4,5-Trichlorophenol	mg/kg	ND	0.333	0.0113	09/21/23 12:36	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.333	0.0126	09/21/23 12:36	
2,4,6-Trichlorophenol	mg/kg	ND	0.333	0.0107	09/21/23 12:36	
1,3-Dinitrobenzene	mg/kg	ND	0.333	0.0617	09/21/23 12:36	
Dinoseb	mg/kg	ND	0.333	0.0970	09/21/23 12:36	
2-Fluorophenol (S)	%	50.9	12.0-120		09/21/23 12:36	
Phenol-d5 (S)	%	46.5	10.0-120		09/21/23 12:36	
Nitrobenzene-d5 (S)	%	44.1	10.0-122		09/21/23 12:36	
2-Fluorobiphenyl (S)	%	44.7	15.0-120		09/21/23 12:36	
2,4,6-Tribromophenol (S)	%	50	10.0-127		09/21/23 12:36	
Terphenyl-d14 (S)	%	52.9	10.0-120		09/21/23 12:36	

LABORATORY CONTROL SAMPLE: R3976065-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.304	45.6	38.0-120	
Acenaphthylene	mg/kg	0.666	0.307	46.1	40.0-120	
Aniline	mg/kg	0.666	0.246	36.9	15.0-120	
Anthracene	mg/kg	0.666	0.316	47.4	42.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.347	52.1	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.346	52.0	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.334	50.2	44.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.351	52.7	45.0-120	
Biphenyl (Diphenyl)	mg/kg	0.666	0.302	45.3	39.0-120	
bis(2-Chloroethyl) ether	mg/kg	0.666	0.340	51.1	16.0-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	0.666	0.289	43.4	23.0-120	
2-Chloronaphthalene	mg/kg	0.666	0.289	43.4	35.0-120	
Chrysene	mg/kg	0.666	0.337	50.6	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.370	55.6	44.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE: R3976065-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibenzofuran	mg/kg	0.666	0.309	46.4	44.0-120	
4-Chloroaniline	mg/kg	0.666	0.232	34.8	18.0-120	
1,2-Dichlorobenzene	mg/kg	0.666	0.295	44.3	32.0-120	
1,3-Dichlorobenzene	mg/kg	0.666	0.283	42.5	30.0-120	
1,4-Dichlorobenzene	mg/kg	0.666	0.292	43.8	31.0-120	
3,3'-Dichlorobenzidine	mg/kg	1.33	0.708	53.2	28.0-120	
2,4-Dinitrotoluene	mg/kg	0.666	0.354	53.2	45.0-120	
2,6-Dinitrotoluene	mg/kg	0.666	0.338	50.8	42.0-120	
Fluoranthene	mg/kg	0.666	0.341	51.2	44.0-120	
Fluorene	mg/kg	0.666	0.320	48.0	41.0-120	
Hexachlorobenzene	mg/kg	0.666	0.343	51.5	39.0-120	
Hexachloro-1,3-butadiene	mg/kg	0.666	0.267	40.1	15.0-120	
Hexachlorocyclopentadiene	mg/kg	0.666	0.190	28.5	15.0-120	
Hexachloroethane	mg/kg	0.666	0.273	41.0	17.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.338	50.8	45.0-120	
Isophorone	mg/kg	0.666	0.254	38.1	23.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.259	38.9	34.0-120	
2-Nitroaniline	mg/kg	0.666	0.353	53.0	46.0-120	
3-Nitroaniline	mg/kg	0.666	0.324	48.6	36.0-120	
4-Nitroaniline	mg/kg	0.666	0.350	52.6	36.0-120	
Naphthalene	mg/kg	0.666	0.251	37.7	18.0-120	
Nitrobenzene	mg/kg	0.666	0.248	37.2	17.0-120	
N-Nitrosodiphenylamine	mg/kg	0.666	0.314	47.1	40.0-120	
N-Nitroso-di-n-propylamine	mg/kg	0.666	0.289	43.4	26.0-120	
Phenanthrene	mg/kg	0.666	0.318	47.7	42.0-120	
Butylbenzylphthalate	mg/kg	0.666	0.336	50.5	40.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.341	51.2	41.0-120	
Diethylphthalate	mg/kg	0.666	0.326	48.9	43.0-120	
Dimethylphthalate	mg/kg	0.666	0.324	48.6	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.345	51.8	40.0-120	
Pyrene	mg/kg	0.666	0.328	49.2	41.0-120	
1,2,4,5-Tetrachlorobenzene	mg/kg	0.666	0.326	48.9	30.0-120	
2-Chlorophenol	mg/kg	0.666	0.300	45.0	28.0-120	
2,4-Dichlorophenol	mg/kg	0.666	0.278	41.7	25.0-120	
2,4-Dimethylphenol	mg/kg	0.666	0.311	46.7	15.0-120	
2,4-Dinitrophenol	mg/kg	0.666	0.283	42.5	10.0-120	
4-Nitrophenol	mg/kg	0.666	0.341	51.2	27.0-120	
Pentachlorophenol	mg/kg	0.666	0.307	46.1	29.0-120	
Phenol	mg/kg	0.666	0.302	45.3	28.0-120	
2,4,5-Trichlorophenol	mg/kg	0.666	0.306	45.9	38.0-120	
2,3,4,6-Tetrachlorophenol	mg/kg	0.666	0.355	53.3	39.0-120	
2,4,6-Trichlorophenol	mg/kg	0.666	0.316	47.4	37.0-120	
2-Fluorophenol (S)	%			51.2	12.0-120	
Phenol-d5 (S)	%			46.1	10.0-120	
Nitrobenzene-d5 (S)	%			38.4	10.0-122	
2-Fluorobiphenyl (S)	%			45.9	15.0-120	
2,4,6-Tribromophenol (S)	%			59.2	10.0-127	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE: R3976065-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Terphenyl-d14 (S)	%			49.5	10.0-120	

LABORATORY CONTROL SAMPLE: R3976065-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	0.666	0.494	74.2	29.0-120	
Dinoseb	mg/kg	0.666	0.442	66.4	26.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976065-4 R3976065-5

Parameter	Units	L1657552-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	0.664	0.660	0.261	0.289	39.3	43.8	18.0-120	10.2	32	
Acenaphthylene	mg/kg	ND	0.664	0.660	0.263	0.293	39.6	44.4	25.0-120	10.8	32	
Aniline	mg/kg	ND	0.664	0.660	0.189	0.220	28.5	33.3	10.0-120	15.2	40	
Anthracene	mg/kg	ND	0.664	0.660	0.279	0.303	42.0	45.9	22.0-120	8.25	29	
Benzo(a)anthracene	mg/kg	ND	0.664	0.660	0.302	0.324	45.5	49.1	25.0-120	7.03	29	
Benzo(b)fluoranthene	mg/kg	ND	0.664	0.660	0.308	0.332	46.4	50.3	19.0-122	7.50	31	
Benzo(k)fluoranthene	mg/kg	ND	0.664	0.660	0.297	0.318	44.7	48.2	23.0-120	6.83	30	
Benzo(a)pyrene	mg/kg	ND	0.664	0.660	0.308	0.332	46.4	50.3	24.0-120	7.50	30	
Biphenyl (Diphenyl)	mg/kg	ND	0.664	0.660	0.257	0.284	38.7	43.0	15.0-120	9.98	33	
bis(2-Chloroethyl) ether	mg/kg	ND	0.664	0.660	0.315	0.327	47.4	49.5	10.0-120	3.74	40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.664	0.660	0.250	0.276	37.7	41.8	10.0-120	9.89	40	
2-Chloronaphthalene	mg/kg	ND	0.664	0.660	0.244	0.273	36.7	41.4	20.0-120	11.2	32	
Chrysene	mg/kg	ND	0.664	0.660	0.294	0.311	44.3	47.1	21.0-120	5.62	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.664	0.660	0.317	0.347	47.7	52.6	10.0-120	9.04	32	
Dibenzofuran	mg/kg	ND	0.664	0.660	0.266	0.299	40.1	45.3	24.0-120	11.7	30	
4-Chloroaniline	mg/kg	ND	0.664	0.660	0.177	0.199	26.7	30.2	10.0-120	11.7	36	
1,2-Dichlorobenzene	mg/kg	ND	0.664	0.660	0.254	0.268	38.3	40.6	10.0-120	5.36	38	
1,3-Dichlorobenzene	mg/kg	ND	0.664	0.660	0.251	0.259	37.8	39.2	10.0-120	3.14	40	
1,4-Dichlorobenzene	mg/kg	ND	0.664	0.660	0.253	0.267	38.1	40.5	10.0-120	5.38	39	
3,3'-Dichlorobenzidine	mg/kg	ND	1.33	1.32	0.605	0.650	45.5	49.2	10.0-120	7.17	34	
2,4-Dinitrotoluene	mg/kg	ND	0.664	0.660	0.304	0.340	45.8	51.5	30.0-120	11.2	31	
2,6-Dinitrotoluene	mg/kg	ND	0.664	0.660	0.288	0.323	43.4	48.9	25.0-120	11.5	31	
Fluoranthene	mg/kg	ND	0.664	0.660	0.297	0.315	44.7	47.7	18.0-126	5.88	32	
Fluorene	mg/kg	ND	0.664	0.660	0.275	0.303	41.4	45.9	25.0-120	9.69	30	
Hexachlorobenzene	mg/kg	ND	0.664	0.660	0.306	0.323	46.1	48.9	27.0-120	5.41	28	
Hexachloro-1,3-butadiene	mg/kg	ND	0.664	0.660	0.239	0.248	36.0	37.6	10.0-120	3.70	38	
Hexachlorocyclopentadiene	mg/kg	ND	0.664	0.660	0.124	0.139	18.7	21.1	10.0-120	11.4	40	
Hexachloroethane	mg/kg	ND	0.664	0.660	0.232	0.242	34.9	36.7	10.0-120	4.22	40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.664	0.660	0.302	0.324	45.5	49.1	10.0-120	7.03	32	
Isophorone	mg/kg	ND	0.664	0.660	0.222	0.241	33.4	36.5	13.0-120	8.21	34	
2-Methylnaphthalene	mg/kg	ND	0.664	0.660	0.231	0.245	34.8	37.1	10.0-120	5.88	37	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976065-4 R3976065-5

Parameter	Units	L1657552-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Nitroaniline	mg/kg	ND	0.664	0.660	0.307	0.337	46.2	51.1	24.0-120	9.32	30	
3-Nitroaniline	mg/kg	ND	0.664	0.660	0.261	0.290	39.3	43.9	11.0-120	10.5	32	
4-Nitroaniline	mg/kg	ND	0.664	0.660	0.289	0.314	43.5	47.6	15.0-120	8.29	31	
Naphthalene	mg/kg	ND	0.664	0.660	0.223	0.234	33.6	35.5	10.0-120	4.81	35	
Nitrobenzene	mg/kg	ND	0.664	0.660	0.215	0.230	32.4	34.8	10.0-120	6.74	36	
N-Nitrosodiphenylamine	mg/kg	ND	0.664	0.660	0.276	0.300	41.6	45.5	17.0-120	8.33	29	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.664	0.660	0.250	0.269	37.7	40.8	10.0-120	7.32	37	
Phenanthrene	mg/kg	ND	0.664	0.660	0.284	0.302	42.8	45.8	17.0-120	6.14	31	
Butylbenzylphthalate	mg/kg	ND	0.664	0.660	0.293	0.313	44.1	47.4	23.0-120	6.60	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.664	0.660	0.303	0.324	45.6	49.1	17.0-126	6.70	30	
Diethylphthalate	mg/kg	ND	0.664	0.660	0.284	0.308	42.8	46.7	26.0-120	8.11	28	
Dimethylphthalate	mg/kg	ND	0.664	0.660	0.280	0.305	42.2	46.2	25.0-120	8.55	29	
Di-n-octylphthalate	mg/kg	ND	0.664	0.660	0.307	0.327	46.2	49.5	21.0-123	6.31	29	
Pyrene	mg/kg	ND	0.664	0.660	0.286	0.308	43.1	46.7	16.0-121	7.41	32	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.664	0.660	0.293	0.307	44.1	46.5	14.0-120	4.67	36	
2-Chlorophenol	mg/kg	ND	0.664	0.660	0.264	0.284	39.8	43.0	15.0-120	7.30	37	
2,4-Dichlorophenol	mg/kg	ND	0.664	0.660	0.251	0.266	37.8	40.3	20.0-120	5.80	31	
2,4-Dimethylphenol	mg/kg	ND	0.664	0.660	0.280	0.299	42.2	45.3	10.0-120	6.56	33	
2,4-Dinitrophenol	mg/kg	ND	0.664	0.660	0.263	0.307	39.6	46.5	10.0-121	15.4	40	
4-Nitrophenol	mg/kg	ND	0.664	0.660	0.300	0.330	45.2	50.0	10.0-137	9.52	32	
Pentachlorophenol	mg/kg	ND	0.664	0.660	0.260	0.279	39.2	42.3	10.0-160	7.05	31	
Phenol	mg/kg	ND	0.664	0.660	0.261	0.281	39.3	42.6	12.0-120	7.38	38	
2,4,5-Trichlorophenol	mg/kg	ND	0.664	0.660	0.271	0.291	40.8	44.1	20.0-120	7.12	30	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.664	0.660	0.296	0.322	44.6	48.8	20.0-120	8.41	31	
2,4,6-Trichlorophenol	mg/kg	ND	0.664	0.660	0.272	0.296	41.0	44.8	19.0-120	8.45	32	
2-Fluorophenol (S)	%						46.4	47.9	12.0-120			
Phenol-d5 (S)	%						42.8	43.8	10.0-120			
Nitrobenzene-d5 (S)	%						35.5	36.4	10.0-122			
2-Fluorobiphenyl (S)	%						41.3	43.9	15.0-120			
2,4,6-Tribromophenol (S)	%						56.5	57.6	10.0-127			
Terphenyl-d14 (S)	%						44.9	49.1	10.0-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 2136429
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289352018, 20289352019

METHOD BLANK: R3977873-3 Matrix: Solid
Associated Lab Samples: 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	09/23/23 02:02	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	09/23/23 02:02	
Aniline	mg/kg	ND	0.333	0.0311	09/23/23 02:02	
Anthracene	mg/kg	ND	0.0333	0.00593	09/23/23 02:02	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	09/23/23 02:02	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	09/23/23 02:02	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	09/23/23 02:02	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	09/23/23 02:02	
Biphenyl (Diphenyl)	mg/kg	ND	0.333	0.0106	09/23/23 02:02	
bis(2-Chloroethyl) ether	mg/kg	ND	0.333	0.0110	09/23/23 02:02	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.333	0.0144	09/23/23 02:02	
2-Chloronaphthalene	mg/kg	ND	0.0333	0.00585	09/23/23 02:02	
Chrysene	mg/kg	ND	0.0333	0.00662	09/23/23 02:02	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	09/23/23 02:02	
Dibenzofuran	mg/kg	ND	0.333	0.0109	09/23/23 02:02	
4-Chloroaniline	mg/kg	ND	0.333	0.0120	09/23/23 02:02	
1,2-Dichlorobenzene	mg/kg	ND	0.333	0.00987	09/23/23 02:02	
1,3-Dichlorobenzene	mg/kg	ND	0.333	0.0101	09/23/23 02:02	
1,4-Dichlorobenzene	mg/kg	ND	0.333	0.00991	09/23/23 02:02	
3,3'-Dichlorobenzidine	mg/kg	ND	0.333	0.0123	09/23/23 02:02	
2,4-Dinitrotoluene	mg/kg	ND	0.333	0.00955	09/23/23 02:02	
2,6-Dinitrotoluene	mg/kg	ND	0.333	0.0109	09/23/23 02:02	
Fluoranthene	mg/kg	ND	0.0333	0.00601	09/23/23 02:02	
Fluorene	mg/kg	ND	0.0333	0.00542	09/23/23 02:02	
Hexachlorobenzene	mg/kg	ND	0.333	0.0118	09/23/23 02:02	
Hexachloro-1,3-butadiene	mg/kg	ND	0.333	0.0112	09/23/23 02:02	
Hexachlorocyclopentadiene	mg/kg	ND	0.333	0.0175	09/23/23 02:02	
Hexachloroethane	mg/kg	ND	0.333	0.0131	09/23/23 02:02	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	09/23/23 02:02	
Isophorone	mg/kg	ND	0.333	0.0102	09/23/23 02:02	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	09/23/23 02:02	
2-Nitroaniline	mg/kg	ND	0.333	0.0107	09/23/23 02:02	
3-Nitroaniline	mg/kg	ND	0.333	0.0106	09/23/23 02:02	
4-Nitroaniline	mg/kg	ND	0.333	0.00971	09/23/23 02:02	
Naphthalene	mg/kg	ND	0.0333	0.00836	09/23/23 02:02	
Nitrobenzene	mg/kg	ND	0.333	0.0116	09/23/23 02:02	
N-Nitrosodiphenylamine	mg/kg	ND	0.333	0.0252	09/23/23 02:02	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.333	0.0111	09/23/23 02:02	
Phenanthrene	mg/kg	ND	0.0333	0.00661	09/23/23 02:02	
Butylbenzylphthalate	mg/kg	ND	0.333	0.0104	09/23/23 02:02	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

METHOD BLANK: R3977873-3 Matrix: Solid
Associated Lab Samples: 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	09/23/23 02:02	
Diethylphthalate	mg/kg	ND	0.333	0.0110	09/23/23 02:02	
Dimethylphthalate	mg/kg	ND	0.333	0.0706	09/23/23 02:02	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	09/23/23 02:02	
Pyrene	mg/kg	ND	0.0333	0.00648	09/23/23 02:02	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.333	0.0159	09/23/23 02:02	
2-Chlorophenol	mg/kg	ND	0.333	0.0110	09/23/23 02:02	
2,4-Dichlorophenol	mg/kg	ND	0.333	0.00970	09/23/23 02:02	
2,4-Dimethylphenol	mg/kg	ND	0.333	0.00870	09/23/23 02:02	
2,4-Dinitrophenol	mg/kg	ND	0.333	0.0779	09/23/23 02:02	
4-Nitrophenol	mg/kg	ND	0.333	0.0104	09/23/23 02:02	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	09/23/23 02:02	
Phenol	mg/kg	ND	0.333	0.0134	09/23/23 02:02	
2,4,5-Trichlorophenol	mg/kg	ND	0.333	0.0113	09/23/23 02:02	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.333	0.0126	09/23/23 02:02	
2,4,6-Trichlorophenol	mg/kg	ND	0.333	0.0107	09/23/23 02:02	
1,3-Dinitrobenzene	mg/kg	ND	0.333	0.0617	09/23/23 02:02	
Dinoseb	mg/kg	ND	0.333	0.0970	09/23/23 02:02	
2-Fluorophenol (S)	%	64.7	12.0-120		09/23/23 02:02	
Phenol-d5 (S)	%	58.9	10.0-120		09/23/23 02:02	
Nitrobenzene-d5 (S)	%	54.1	10.0-122		09/23/23 02:02	
2-Fluorobiphenyl (S)	%	61.6	15.0-120		09/23/23 02:02	
2,4,6-Tribromophenol (S)	%	45.3	10.0-127		09/23/23 02:02	
Terphenyl-d14 (S)	%	75.1	10.0-120		09/23/23 02:02	

LABORATORY CONTROL SAMPLE: R3977873-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.420	63.1	38.0-120	
Acenaphthylene	mg/kg	0.666	0.417	62.6	40.0-120	
Aniline	mg/kg	0.666	0.387	58.1	15.0-120	
Anthracene	mg/kg	0.666	0.438	65.8	42.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.488	73.3	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.503	75.5	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.492	73.9	44.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.487	73.1	45.0-120	
Biphenyl (Diphenyl)	mg/kg	0.666	0.422	63.4	39.0-120	
bis(2-Chloroethyl) ether	mg/kg	0.666	0.412	61.9	16.0-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	0.666	0.415	62.3	23.0-120	
2-Chloronaphthalene	mg/kg	0.666	0.409	61.4	35.0-120	
Chrysene	mg/kg	0.666	0.484	72.7	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.508	76.3	44.0-120	
Dibenzofuran	mg/kg	0.666	0.416	62.5	44.0-120	
4-Chloroaniline	mg/kg	0.666	0.331	49.7	18.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE: R3977873-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	mg/kg	0.666	0.391	58.7	32.0-120	
1,3-Dichlorobenzene	mg/kg	0.666	0.377	56.6	30.0-120	
1,4-Dichlorobenzene	mg/kg	0.666	0.380	57.1	31.0-120	
3,3'-Dichlorobenzidine	mg/kg	1.33	0.898	67.5	28.0-120	
2,4-Dinitrotoluene	mg/kg	0.666	0.469	70.4	45.0-120	
2,6-Dinitrotoluene	mg/kg	0.666	0.468	70.3	42.0-120	
Fluoranthene	mg/kg	0.666	0.445	66.8	44.0-120	
Fluorene	mg/kg	0.666	0.421	63.2	41.0-120	
Hexachlorobenzene	mg/kg	0.666	0.394	59.2	39.0-120	
Hexachloro-1,3-butadiene	mg/kg	0.666	0.366	55.0	15.0-120	
Hexachlorocyclopentadiene	mg/kg	0.666	0.265	39.8	15.0-120	
Hexachloroethane	mg/kg	0.666	0.386	58.0	17.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.447	67.1	45.0-120	
Isophorone	mg/kg	0.666	0.350	52.6	23.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.338	50.8	34.0-120	
2-Nitroaniline	mg/kg	0.666	0.477	71.6	46.0-120	
3-Nitroaniline	mg/kg	0.666	0.420	63.1	36.0-120	
4-Nitroaniline	mg/kg	0.666	0.553	83.0	36.0-120	
Naphthalene	mg/kg	0.666	0.326	48.9	18.0-120	
Nitrobenzene	mg/kg	0.666	0.352	52.9	17.0-120	
N-Nitrosodiphenylamine	mg/kg	0.666	0.425	63.8	40.0-120	
N-Nitroso-di-n-propylamine	mg/kg	0.666	0.447	67.1	26.0-120	
Phenanthrene	mg/kg	0.666	0.445	66.8	42.0-120	
Butylbenzylphthalate	mg/kg	0.666	0.518	77.8	40.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.535	80.3	41.0-120	
Diethylphthalate	mg/kg	0.666	0.461	69.2	43.0-120	
Dimethylphthalate	mg/kg	0.666	0.460	69.1	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.493	74.0	40.0-120	
Pyrene	mg/kg	0.666	0.501	75.2	41.0-120	
1,2,4,5-Tetrachlorobenzene	mg/kg	0.666	0.432	64.9	30.0-120	
2-Chlorophenol	mg/kg	0.666	0.431	64.7	28.0-120	
2,4-Dichlorophenol	mg/kg	0.666	0.360	54.1	25.0-120	
2,4-Dimethylphenol	mg/kg	0.666	0.416	62.5	15.0-120	
2,4-Dinitrophenol	mg/kg	0.666	0.285	42.8	10.0-120	
4-Nitrophenol	mg/kg	0.666	0.424	63.7	27.0-120	
Pentachlorophenol	mg/kg	0.666	0.358	53.8	29.0-120	
Phenol	mg/kg	0.666	0.430	64.6	28.0-120	
2,4,5-Trichlorophenol	mg/kg	0.666	0.440	66.1	38.0-120	
2,3,4,6-Tetrachlorophenol	mg/kg	0.666	0.476	71.5	39.0-120	
2,4,6-Trichlorophenol	mg/kg	0.666	0.425	63.8	37.0-120	
2-Fluorophenol (S)	%			69.1	12.0-120	
Phenol-d5 (S)	%			62.2	10.0-120	
Nitrobenzene-d5 (S)	%			46.8	10.0-122	
2-Fluorobiphenyl (S)	%			62.8	15.0-120	
2,4,6-Tribromophenol (S)	%			57.1	10.0-127	
Terphenyl-d14 (S)	%			74.8	10.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE: R3977873-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	0.666	0.452	67.9	29.0-120	
Dinoseb	mg/kg	0.666	0.463	69.5	26.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977873-5 R3977873-6

Parameter	Units	L1656751-09 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	0.658	0.658	0.373	0.434	56.7	66.0	18.0-120	15.1	32	
Acenaphthylene	mg/kg	ND	0.658	0.658	0.359	0.418	54.6	63.5	25.0-120	15.2	32	
Aniline	mg/kg	ND	0.658	0.658	0.200	0.219	30.4	33.3	10.0-120	9.07	40	
Anthracene	mg/kg	ND	0.658	0.658	0.371	0.456	56.4	69.3	22.0-120	20.6	29	
Benzo(a)anthracene	mg/kg	ND	0.658	0.658	0.417	0.517	63.4	78.6	25.0-120	21.4	29	
Benzo(b)fluoranthene	mg/kg	ND	0.658	0.658	0.403	0.519	61.2	78.9	19.0-122	25.2	31	
Benzo(k)fluoranthene	mg/kg	ND	0.658	0.658	0.376	0.470	57.1	71.4	23.0-120	22.2	30	
Benzo(a)pyrene	mg/kg	ND	0.658	0.658	0.398	0.502	60.5	76.3	24.0-120	23.1	30	
Biphenyl (Diphenyl)	mg/kg	ND	0.658	0.658	0.371	0.425	56.4	64.6	15.0-120	13.6	33	
bis(2-Chloroethyl) ether	mg/kg	ND	0.658	0.658	0.336	0.388	51.1	59.0	10.0-120	14.4	40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.658	0.658	0.322	0.370	48.9	56.2	10.0-120	13.9	40	
2-Chloronaphthalene	mg/kg	ND	0.658	0.658	0.360	0.413	54.7	62.8	20.0-120	13.7	32	
Chrysene	mg/kg	ND	0.658	0.658	0.407	0.504	61.9	76.6	21.0-120	21.3	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.658	0.658	0.392	0.461	59.6	70.1	10.0-120	16.2	32	
Dibenzofuran	mg/kg	ND	0.658	0.658	0.365	0.428	55.5	65.0	24.0-120	15.9	30	
4-Chloroaniline	mg/kg	ND	0.658	0.658	0.180	0.202	27.4	30.7	10.0-120	11.5	36	
1,2-Dichlorobenzene	mg/kg	ND	0.658	0.658	0.312	0.349	47.4	53.0	10.0-120	11.2	38	
1,3-Dichlorobenzene	mg/kg	ND	0.658	0.658	0.296	0.327	45.0	49.7	10.0-120	9.95	40	
1,4-Dichlorobenzene	mg/kg	ND	0.658	0.658	0.309	0.338	47.0	51.4	10.0-120	8.96	39	
3,3'-Dichlorobenzidine	mg/kg	ND	1.32	1.32	0.722	0.873	54.7	66.1	10.0-120	18.9	34	
2,4-Dinitrotoluene	mg/kg	ND	0.658	0.658	0.376	0.503	57.1	76.4	30.0-120	28.9	31	
2,6-Dinitrotoluene	mg/kg	ND	0.658	0.658	0.367	0.481	55.8	73.1	25.0-120	26.9	31	
Fluoranthene	mg/kg	ND	0.658	0.658	0.388	0.486	59.0	73.9	18.0-126	22.4	32	
Fluorene	mg/kg	ND	0.658	0.658	0.372	0.444	56.5	67.5	25.0-120	17.6	30	
Hexachlorobenzene	mg/kg	ND	0.658	0.658	0.328	0.397	49.8	60.3	27.0-120	19.0	28	
Hexachloro-1,3-butadiene	mg/kg	ND	0.658	0.658	0.314	0.356	47.7	54.1	10.0-120	12.5	38	
Hexachlorocyclopentadiene	mg/kg	ND	0.658	0.658	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
Hexachloroethane	mg/kg	ND	0.658	0.658	0.289	0.332	43.9	50.5	10.0-120	13.8	40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.658	0.658	0.373	0.441	56.7	67.0	10.0-120	16.7	32	
Isophorone	mg/kg	ND	0.658	0.658	0.295	0.322	44.8	48.9	13.0-120	8.75	34	
2-Methylnaphthalene	mg/kg	ND	0.658	0.658	0.297	0.342	45.1	52.0	10.0-120	14.1	37	
2-Nitroaniline	mg/kg	ND	0.658	0.658	0.420	0.507	63.8	77.1	24.0-120	18.8	30	
3-Nitroaniline	mg/kg	ND	0.658	0.658	0.207	0.314	31.5	47.7	11.0-120	41.1	32	R1
4-Nitroaniline	mg/kg	ND	0.658	0.658	0.429	0.456	65.2	69.3	15.0-120	6.10	31	
Naphthalene	mg/kg	ND	0.658	0.658	0.280	0.312	42.6	47.4	10.0-120	10.8	35	
Nitrobenzene	mg/kg	ND	0.658	0.658	0.279	0.311	42.4	47.3	10.0-120	10.8	36	
N-Nitrosodiphenylamine	mg/kg	ND	0.658	0.658	0.355	0.442	54.0	67.2	17.0-120	21.8	29	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977873-5 R3977873-6

Parameter	Units	L1656751-09 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
N-Nitroso-di-n-propylamine	mg/kg	ND	0.658	0.658	0.348	0.393	52.9	59.7	10.0-120	12.1	37	
Phenanthrene	mg/kg	ND	0.658	0.658	0.377	0.467	57.3	71.0	17.0-120	21.3	31	
Butylbenzylphthalate	mg/kg	ND	0.658	0.658	0.475	0.592	72.2	90.0	23.0-120	21.9	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.658	0.658	0.486	0.599	73.9	91.0	17.0-126	20.8	30	
Diethylphthalate	mg/kg	ND	0.658	0.658	0.407	0.473	61.9	71.9	26.0-120	15.0	28	
Dimethylphthalate	mg/kg	ND	0.658	0.658	0.395	0.457	60.0	69.5	25.0-120	14.6	29	
Di-n-octylphthalate	mg/kg	ND	0.658	0.658	0.481	0.606	73.1	92.1	21.0-123	23.0	29	
Pyrene	mg/kg	ND	0.658	0.658	0.426	0.541	64.7	82.2	16.0-121	23.8	32	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.658	0.658	0.385	0.450	58.5	68.4	14.0-120	15.6	36	
2-Chlorophenol	mg/kg	ND	0.658	0.658	0.349	0.401	53.0	60.9	15.0-120	13.9	37	
2,4-Dichlorophenol	mg/kg	ND	0.658	0.658	0.324	0.372	49.2	56.5	20.0-120	13.8	31	
2,4-Dimethylphenol	mg/kg	ND	0.658	0.658	0.360	0.409	54.7	62.2	10.0-120	12.7	33	
2,4-Dinitrophenol	mg/kg	ND	0.658	0.658	0.319	0.388	48.5	59.0	10.0-121	19.5	40	
4-Nitrophenol	mg/kg	ND	0.658	0.658	0.396	0.486	60.2	73.9	10.0-137	20.4	32	
Pentachlorophenol	mg/kg	ND	0.658	0.658	0.338	0.430	51.4	65.3	10.0-160	24.0	31	
Phenol	mg/kg	ND	0.658	0.658	0.341	0.392	51.8	59.6	12.0-120	13.9	38	
2,4,5-Trichlorophenol	mg/kg	ND	0.658	0.658	0.418	0.497	63.5	75.5	20.0-120	17.3	30	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.658	0.658	0.464	0.577	70.5	87.7	20.0-120	21.7	31	
2,4,6-Trichlorophenol	mg/kg	ND	0.658	0.658	0.397	0.472	60.3	71.7	19.0-120	17.3	32	
2-Fluorophenol (S)	%						56.7	62.2	12.0-120			
Phenol-d5 (S)	%						50.8	59.3	10.0-120			
Nitrobenzene-d5 (S)	%						38.3	42.9	10.0-122			
2-Fluorobiphenyl (S)	%						55.3	62.6	15.0-120			
2,4,6-Tribromophenol (S)	%						52.3	65.7	10.0-127			
Terphenyl-d14 (S)	%						63.2	75.1	10.0-120			

MATRIX SPIKE SAMPLE: R3977873-4

Parameter	Units	L1656751-09 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	ND	0.644	0.436	67.7	29.0-120	
Dinoseb	mg/kg	ND	0.644	0.394	61.2	26.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 2136437
QC Batch Method: 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352009, 20289352010, 20289352011

METHOD BLANK: R3976624-2 Matrix: Solid
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352009, 20289352010, 20289352011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/kg	ND	0.00600	0.00230	09/22/23 12:28	
Acenaphthene	mg/kg	ND	0.00600	0.00209	09/22/23 12:28	
Acenaphthylene	mg/kg	ND	0.00600	0.00216	09/22/23 12:28	
Benzo(a)anthracene	mg/kg	ND	0.00600	0.00173	09/22/23 12:28	
Benzo(a)pyrene	mg/kg	ND	0.00600	0.00179	09/22/23 12:28	
Benzo(b)fluoranthene	mg/kg	ND	0.00600	0.00153	09/22/23 12:28	
Benzo(k)fluoranthene	mg/kg	ND	0.00600	0.00215	09/22/23 12:28	
Chrysene	mg/kg	ND	0.00600	0.00232	09/22/23 12:28	
Dibenz(a,h)anthracene	mg/kg	ND	0.00600	0.00172	09/22/23 12:28	
Fluoranthene	mg/kg	ND	0.00600	0.00227	09/22/23 12:28	
Fluorene	mg/kg	ND	0.00600	0.00205	09/22/23 12:28	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.00600	0.00181	09/22/23 12:28	
Naphthalene	mg/kg	ND	0.0200	0.00408	09/22/23 12:28	
Phenanthrene	mg/kg	ND	0.00600	0.00231	09/22/23 12:28	
Pyrene	mg/kg	ND	0.00600	0.00200	09/22/23 12:28	
2-Methylnaphthalene	mg/kg	ND	0.0200	0.00427	09/22/23 12:28	
2-Chloronaphthalene	mg/kg	ND	0.0200	0.00466	09/22/23 12:28	
Terphenyl-d14 (S)	%	84.4	23.0-120		09/22/23 12:28	
Nitrobenzene-d5 (S)	%	84.1	14.0-149		09/22/23 12:28	
2-Fluorobiphenyl (S)	%	85	34.0-125		09/22/23 12:28	

LABORATORY CONTROL SAMPLE: R3976624-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/kg	0.0800	0.0671	83.9	50.0-126	
Acenaphthene	mg/kg	0.0800	0.0666	83.3	50.0-120	
Acenaphthylene	mg/kg	0.0800	0.0689	86.1	50.0-120	
Benzo(a)anthracene	mg/kg	0.0800	0.0681	85.1	45.0-120	
Benzo(a)pyrene	mg/kg	0.0800	0.0585	73.1	42.0-120	
Benzo(b)fluoranthene	mg/kg	0.0800	0.0680	85.0	42.0-121	
Benzo(k)fluoranthene	mg/kg	0.0800	0.0673	84.1	49.0-125	
Chrysene	mg/kg	0.0800	0.0693	86.6	49.0-122	
Dibenz(a,h)anthracene	mg/kg	0.0800	0.0766	95.8	47.0-125	
Fluoranthene	mg/kg	0.0800	0.0748	93.5	49.0-129	
Fluorene	mg/kg	0.0800	0.0732	91.5	49.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0800	0.0709	88.6	46.0-125	
Naphthalene	mg/kg	0.0800	0.0643	80.4	50.0-120	
Phenanthrene	mg/kg	0.0800	0.0679	84.9	47.0-120	
Pyrene	mg/kg	0.0800	0.0691	86.4	43.0-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE: R3976624-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/kg	0.0800	0.0704	88.0	50.0-120	
2-Chloronaphthalene	mg/kg	0.0800	0.0688	86.0	50.0-120	
Terphenyl-d14 (S)	%			80.1	23.0-120	
Nitrobenzene-d5 (S)	%			84.2	14.0-149	
2-Fluorobiphenyl (S)	%			83.8	34.0-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976636-1 R3976636-2

Parameter	Units	L1656751-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/kg	ND	0.0784	0.0780	0.0607	0.0564	77.4	72.3	10.0-145	7.34	30	
Acenaphthene	mg/kg	ND	0.0784	0.0780	0.0606	0.0524	77.3	67.2	14.0-127	14.5	27	
Acenaphthylene	mg/kg	ND	0.0784	0.0780	0.0625	0.0544	79.7	69.7	21.0-124	13.9	25	
Benzo(a)anthracene	mg/kg	ND	0.0784	0.0780	0.0672	0.0631	85.7	80.9	10.0-139	6.29	30	
Benzo(a)pyrene	mg/kg	ND	0.0784	0.0780	0.0714	0.0706	91.1	90.5	10.0-141	1.13	31	
Benzo(b)fluoranthene	mg/kg	ND	0.0784	0.0780	0.0661	0.0601	84.3	77.1	10.0-140	9.51	36	
Benzo(k)fluoranthene	mg/kg	ND	0.0784	0.0780	0.0672	0.0651	85.7	83.5	10.0-137	3.17	31	
Chrysene	mg/kg	ND	0.0784	0.0780	0.0689	0.0653	87.9	83.7	10.0-145	5.37	30	
Dibenz(a,h)anthracene	mg/kg	ND	0.0784	0.0780	0.0715	0.0726	91.2	93.1	10.0-132	1.53	31	
Fluoranthene	mg/kg	ND	0.0784	0.0780	0.0611	0.0568	77.9	72.8	10.0-153	7.29	33	
Fluorene	mg/kg	ND	0.0784	0.0780	0.0632	0.0549	80.6	70.4	11.0-130	14.1	29	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0784	0.0780	0.0756	0.0736	96.4	94.4	10.0-137	2.68	32	
Naphthalene	mg/kg	ND	0.0784	0.0780	0.0577	0.0538	73.6	69.0	10.0-135	7.00	27	
Phenanthrene	mg/kg	ND	0.0784	0.0780	0.0575	0.0518	73.3	66.4	10.0-144	10.4	31	
Pyrene	mg/kg	ND	0.0784	0.0780	0.0644	0.0588	82.1	75.4	10.0-148	9.09	35	
2-Methylnaphthalene	mg/kg	ND	0.0784	0.0780	0.0613	0.0548	78.2	70.3	10.0-137	11.2	28	
2-Chloronaphthalene	mg/kg	ND	0.0784	0.0780	0.0578	0.0507	73.7	65.0	29.0-120	13.1	24	
Terphenyl-d14 (S)	%						76.9	77.6	23.0-120			
Nitrobenzene-d5 (S)	%						81.0	82.3	14.0-149			
2-Fluorobiphenyl (S)	%						73.9	74.7	34.0-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 300133
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035 Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

METHOD BLANK: 1437116
Matrix: Solid
Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0012	09/21/23 13:58	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	09/21/23 13:58	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0018	09/21/23 13:58	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
2-Butanone (MEK)	mg/kg	ND	0.010	0.0029	09/21/23 13:58	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.010	0.0019	09/21/23 13:58	
Acetone	mg/kg	ND	0.010	0.0044	09/21/23 13:58	
Benzene	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
Bromodichloromethane	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
Bromoform	mg/kg	ND	0.0050	0.0016	09/21/23 13:58	
Bromomethane	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
Carbon disulfide	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0011	09/21/23 13:58	
Chlorobenzene	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
Chloroethane	mg/kg	ND	0.0050	0.0012	09/21/23 13:58	
Chloroform	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
Chloromethane	mg/kg	ND	0.0050	0.0012	09/21/23 13:58	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0015	09/21/23 13:58	
Dibromochloromethane	mg/kg	ND	0.0050	0.0016	09/21/23 13:58	
Ethylbenzene	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
Isobutanol	mg/kg	ND	0.25	0.036	09/21/23 13:58	
m&p-Xylene	mg/kg	ND	0.010	0.0032	09/21/23 13:58	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
Methylene Chloride	mg/kg	ND	0.0050	0.0046	09/21/23 13:58	
o-Xylene	mg/kg	ND	0.0050	0.0016	09/21/23 13:58	
Styrene	mg/kg	ND	0.0050	0.0016	09/21/23 13:58	
Tetrachloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
Toluene	mg/kg	ND	0.0050	0.0021	09/21/23 13:58	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0013	09/21/23 13:58	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0016	09/21/23 13:58	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

METHOD BLANK: 1437116 Matrix: Solid

Associated Lab Samples: 20289352002, 20289352003, 20289352004, 20289352005, 20289352006, 20289352007, 20289352008, 20289352012, 20289352013, 20289352014, 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Trichloroethene	mg/kg	ND	0.0050	0.0014	09/21/23 13:58	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0012	09/21/23 13:58	
Vinyl chloride	mg/kg	ND	0.0020	0.0011	09/21/23 13:58	
4-Bromofluorobenzene (S)	%.	99	64-139		09/21/23 13:58	
Dibromofluoromethane (S)	%.	106	66-143		09/21/23 13:58	
Toluene-d8 (S)	%.	100	75-125		09/21/23 13:58	

LABORATORY CONTROL SAMPLE: 1437117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.05	0.047	95	72-121	
1,1,1-Trichloroethane	mg/kg	0.05	0.046	93	76-126	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.046	93	65-129	
1,1,2-Trichloroethane	mg/kg	0.05	0.048	95	75-121	
1,1-Dichloroethane	mg/kg	0.05	0.046	93	71-127	
1,1-Dichloroethene	mg/kg	0.05	0.047	94	63-130	
1,2,4-Trichlorobenzene	mg/kg	0.05	0.049	98	67-123	
1,2-Dibromo-3-chloropropane	mg/kg	0.05	0.046	92	59-131	
1,2-Dichloroethane	mg/kg	0.05	0.046	92	65-131	
1,2-Dichloropropane	mg/kg	0.05	0.047	94	72-125	
2-Butanone (MEK)	mg/kg	0.05	0.034	67	34-170	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.05	0.046	91	58-141	
Acetone	mg/kg	0.05	0.030	60	16-192	
Benzene	mg/kg	0.05	0.047	94	74-132	
Bromodichloromethane	mg/kg	0.05	0.048	95	73-117	
Bromoform	mg/kg	0.05	0.048	96	58-132	
Bromomethane	mg/kg	0.05	0.045	90	47-157	
Carbon disulfide	mg/kg	0.05	0.047	93	52-145	
Carbon tetrachloride	mg/kg	0.05	0.047	95	68-129	
Chlorobenzene	mg/kg	0.05	0.047	95	79-121	
Chloroethane	mg/kg	0.05	0.049	98	34-160	
Chloroform	mg/kg	0.05	0.046	93	70-120	
Chloromethane	mg/kg	0.05	0.053	106	44-142	
cis-1,2-Dichloroethene	mg/kg	0.05	0.048	96	71-124	
cis-1,3-Dichloropropene	mg/kg	0.05	0.049	97	77-121	
Dibromochloromethane	mg/kg	0.05	0.048	95	67-122	
Ethylbenzene	mg/kg	0.05	0.047	95	79-116	
m&p-Xylene	mg/kg	0.1	0.095	95	78-119	
Methyl-tert-butyl ether	mg/kg	0.05	0.046	93	58-135	
Methylene Chloride	mg/kg	0.05	0.047	93	49-145	
o-Xylene	mg/kg	0.05	0.047	94	77-121	
Styrene	mg/kg	0.05	0.048	96	81-123	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

LABORATORY CONTROL SAMPLE: 1437117

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/kg	0.05	0.047	94	62-138	
Toluene	mg/kg	0.05	0.046	92	79-120	
trans-1,2-Dichloroethene	mg/kg	0.05	0.046	93	68-125	
trans-1,3-Dichloropropene	mg/kg	0.05	0.048	96	77-121	
Trichloroethene	mg/kg	0.05	0.048	96	77-117	
Trichlorofluoromethane	mg/kg	0.05	0.048	96	45-164	
Vinyl chloride	mg/kg	0.05	0.052	104	48-130	
4-Bromofluorobenzene (S)	%.			101	64-139	
Dibromofluoromethane (S)	%.			100	66-143	
Toluene-d8 (S)	%.			101	75-125	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

QC Batch: 299888
QC Batch Method: EPA 7196
Analysis Method: EPA 7196
Analysis Description: 7196 Chromium, Hexavalent
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

METHOD BLANK: 1435915 Matrix: Solid
Associated Lab Samples: 20289352015, 20289352016, 20289352017, 20289352018, 20289352019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chromium, Hexavalent	mg/kg	0.089J	0.10	0.085	09/20/23 17:01	

LABORATORY CONTROL SAMPLE: 1435916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	2	2.0	98	80-120	

MATRIX SPIKE SAMPLE: 1435918

Parameter	Units	20289352015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	ND	2.4	ND	0	75-125	D3

SAMPLE DUPLICATE: 1435917

Parameter	Units	20289352015 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/kg	ND	ND		20	D3

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALIFIERS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20289352

[1]

BATCH QUALIFIERS

Batch: 299214

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 299818

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

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QUALIFIERS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

ANALYTE QUALIFIERS

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

Pace Analytical Services, LLC
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289352001	**FB-3**	MA DEP/NJ DEP	2135760	EPH	2135760
20289352002	**B-9 (0-2)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352003	**B-9 (5-7)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352004	**B-9 (14-16)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352005	**B-10 (0-2)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352006	**B-10 (2-4)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352007	**B-10 (5-7)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352008	**B-10 (14-16)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352009	**B-11 (0-2)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352010	**B-11 (5-7)**	MA DEP/NJ DEP	2136453	EPH	2136453
20289352011	**B-11 (14-16)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352012	**B-12 (0-2)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352013	**B-12 (2-4)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352014	**B-12 (5-7)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352015	**B-12 (14-16)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352016	**B-13 (0-2)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352017	**B-13 (2-4)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352018	**B-13 (7-9)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352019	**B-13 (14-16)**	MA DEP/NJ DEP	2136882	EPH	2136882
20289352002	**B-9 (0-2)**	EPA 5035	299803	MADEP VPH Mod	299818
20289352003	**B-9 (5-7)**	EPA 5035	299803	MADEP VPH Mod	299818
20289352004	**B-9 (14-16)**	EPA 5035	299803	MADEP VPH Mod	299818
20289352005	**B-10 (0-2)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352006	**B-10 (2-4)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352007	**B-10 (5-7)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352008	**B-10 (14-16)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352012	**B-12 (0-2)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352013	**B-12 (2-4)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352014	**B-12 (5-7)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352015	**B-12 (14-16)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352016	**B-13 (0-2)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352017	**B-13 (2-4)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352018	**B-13 (7-9)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352019	**B-13 (14-16)**	EPA 5035	299189	MADEP VPH Mod	299214
20289352002	**B-9 (0-2)**	EPA 3050	299173	EPA 6010	299432
20289352003	**B-9 (5-7)**	EPA 3050	299173	EPA 6010	299432
20289352004	**B-9 (14-16)**	EPA 3050	299173	EPA 6010	299432
20289352005	**B-10 (0-2)**	EPA 3050	299173	EPA 6010	299432
20289352006	**B-10 (2-4)**	EPA 3050	299173	EPA 6010	299432
20289352007	**B-10 (5-7)**	EPA 3050	299173	EPA 6010	299432
20289352008	**B-10 (14-16)**	EPA 3050	299173	EPA 6010	299432
20289352009	**B-11 (0-2)**	EPA 3050	299173	EPA 6010	299432
20289352010	**B-11 (5-7)**	EPA 3050	299173	EPA 6010	299432
20289352011	**B-11 (14-16)**	EPA 3050	299173	EPA 6010	299432
20289352012	**B-12 (0-2)**	EPA 3050	299173	EPA 6010	299432
20289352013	**B-12 (2-4)**	EPA 3050	299173	EPA 6010	299432

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289352014	**B-12 (5-7)**	EPA 3050	299173	EPA 6010	299432
20289352015	**B-12 (14-16)**	EPA 3050	299173	EPA 6010	299432
20289352016	**B-13 (0-2)**	EPA 3050	299173	EPA 6010	299432
20289352017	**B-13 (2-4)**	EPA 3050	299173	EPA 6010	299432
20289352018	**B-13 (7-9)**	EPA 3050	299173	EPA 6010	299432
20289352019	**B-13 (14-16)**	EPA 3050	299173	EPA 6010	299432
20289352001	**FB-3**	EPA 3010	299275	EPA 6020A	299403
20289352001	**FB-3**	EPA 7470	299279	EPA 7470	299288
20289352002	**B-9 (0-2)**	EPA 7471	299176	EPA 7471	299245
20289352003	**B-9 (5-7)**	EPA 7471	299176	EPA 7471	299245
20289352004	**B-9 (14-16)**	EPA 7471	299176	EPA 7471	299245
20289352005	**B-10 (0-2)**	EPA 7471	299176	EPA 7471	299245
20289352006	**B-10 (2-4)**	EPA 7471	299176	EPA 7471	299245
20289352007	**B-10 (5-7)**	EPA 7471	299176	EPA 7471	299245
20289352008	**B-10 (14-16)**	EPA 7471	299176	EPA 7471	299245
20289352009	**B-11 (0-2)**	EPA 7471	299176	EPA 7471	299245
20289352010	**B-11 (5-7)**	EPA 7471	299176	EPA 7471	299245
20289352011	**B-11 (14-16)**	EPA 7471	299176	EPA 7471	299245
20289352012	**B-12 (0-2)**	EPA 7471	299176	EPA 7471	299245
20289352013	**B-12 (2-4)**	EPA 7471	299176	EPA 7471	299245
20289352014	**B-12 (5-7)**	EPA 7471	299176	EPA 7471	299245
20289352015	**B-12 (14-16)**	EPA 7471	299176	EPA 7471	299245
20289352016	**B-13 (0-2)**	EPA 7471	299176	EPA 7471	299245
20289352017	**B-13 (2-4)**	EPA 7471	299176	EPA 7471	299245
20289352018	**B-13 (7-9)**	EPA 7471	299176	EPA 7471	299245
20289352019	**B-13 (14-16)**	EPA 7471	299176	EPA 7471	299245
20289352001	**FB-3**	3510C	2134701	EPA 8270E by SIM	2134701
20289352005	**B-10 (0-2)**	3546	2136428	EPA 8270E	2136428
20289352006	**B-10 (2-4)**	3546	2136428	EPA 8270E	2136428
20289352007	**B-10 (5-7)**	3546	2136428	EPA 8270E	2136428
20289352008	**B-10 (14-16)**	3546	2136428	EPA 8270E	2136428
20289352012	**B-12 (0-2)**	3546	2136428	EPA 8270E	2136428
20289352013	**B-12 (2-4)**	3546	2136428	EPA 8270E	2136428
20289352014	**B-12 (5-7)**	3546	2136428	EPA 8270E	2136428
20289352015	**B-12 (14-16)**	3546	2136428	EPA 8270E	2136428
20289352016	**B-13 (0-2)**	3546	2136428	EPA 8270E	2136428
20289352017	**B-13 (2-4)**	3546	2136428	EPA 8270E	2136428
20289352018	**B-13 (7-9)**	3546	2136429	EPA 8270E	2136429
20289352019	**B-13 (14-16)**	3546	2136429	EPA 8270E	2136429
20289352002	**B-9 (0-2)**	3546	2136437	EPA 8270E by SIM	2136437
20289352003	**B-9 (5-7)**	3546	2136437	EPA 8270E by SIM	2136437
20289352004	**B-9 (14-16)**	3546	2136437	EPA 8270E by SIM	2136437
20289352009	**B-11 (0-2)**	3546	2136437	EPA 8270E by SIM	2136437
20289352010	**B-11 (5-7)**	3546	2136437	EPA 8270E by SIM	2136437
20289352011	**B-11 (14-16)**	3546	2136437	EPA 8270E by SIM	2136437

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289352

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289352002	**B-9 (0-2)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352003	**B-9 (5-7)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352004	**B-9 (14-16)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352005	**B-10 (0-2)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352006	**B-10 (2-4)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352007	**B-10 (5-7)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352008	**B-10 (14-16)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352012	**B-12 (0-2)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352013	**B-12 (2-4)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352014	**B-12 (5-7)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352015	**B-12 (14-16)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352016	**B-13 (0-2)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352017	**B-13 (2-4)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352018	**B-13 (7-9)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352019	**B-13 (14-16)**	EPA 5035/5030B	300133	EPA 8260	300136
20289352015	**B-12 (14-16)**	EPA 7196	299888	EPA 7196	299898
20289352016	**B-13 (0-2)**	EPA 7196	299888	EPA 7196	299898
20289352017	**B-13 (2-4)**	EPA 7196	299888	EPA 7196	299898
20289352018	**B-13 (7-9)**	EPA 7196	299888	EPA 7196	299898
20289352019	**B-13 (14-16)**	EPA 7196	299888	EPA 7196	299898

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 20289352

20289352

Company Name:	Terracon - New Orleans
	wood Park Blvd, Suite 170 LA 70123
ect #:	
e:	JM3-JM5 Parcels Soils
llection Info/Facility ID (as applicable):	
Contact/Report To:	Day, Diana
Phone #:	(225)239-2651
E-Mail:	diana.day@terracon.com
Cc E-Mail:	
Invoice To:	
Invoice E-Mail:	
Purchase Order # (if applicable):	
Quote #:	ET237079
County / State origin of sample(s):	Louisiana

Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other 7day

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Clay Ledet
AcctNum / Client ID:
Table #:
Profile / Template: 8793/871
Prelog / Bottle Ord. ID: 1141077

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	EPH / PAH	EPH / RECAP SVOC	RCRA 8 Metals	RECAP Metals	RECAP VOC	RECAP VOC / VPH	Sample Comment
FB-3	W	G	9-13-23	8:49				1	4	X		X	X			
B-9 (0-2)	S	G		10:34				4	2	X		X	X		X	
B-9 (5-7)				10:25				4	2	X		X	X		X	
B-9 (14-16)				10:18				4	2	X		X	X		X	
B-10 (0-2)				11:17				4	2		X		X		X	
B-10 (2-4)				11:36				4	2		X		X		X	
B-10 (5-7)				11:21				4	2		X		X		X	
B-10 (14-16)				11:24				4	2		X		X		X	
B-11 (0-2)				12:40				1	2	X		X				
B-11 (5-7)				12:19				1	2	X		X				

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Cody Vanderlick
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
2	12	0	1.7, 2.1	

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9-13-23 15:50	Allen Green Pace	9-14 23 9:35
Allen Green Pace	9-14 23 1035		9/14/23 10:35

Tracking Number:

Delivered by: [ ] In-Person [X] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

Scan QR Code for instructions

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	
Project Name:	JM3-JM5 Parcels Soils	Invoice E-Mail:	
Site Location Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Louisiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other 2 day

Date Results Requested:

DW PWSID # or WW Permit # as applicable:

Analysis:

Specify Container Size **

Identify Container Preservative Type***

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Clay Ledet
AcctNum / Client ID:
Table #:
Profile / Template:
Prelog / Bottle Ord. ID: 1141077

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	EPH / PAH	EPH / RECAP SVOC	RCRA 8 Metals	RECAP Metals	RECAP VOC	RECAP VOC / VPH	Sample Comment	Preservation non-conformance identified for sample.
B-11 (14-16)	S	G	9-13-23	12:17					2	X		X					
B-12 (0-2)			9-13-23	13:40				4	2	~~X~~	X		X		X		
B-12 (2-4)				14:06				4	2		X		X		X		
B-12 (5-7)				13:57				4	2		X		X		X		
B-12 (14-16)				13:46				4	2		X		X		X		
B-13 (0-2)				14:56				1	1	~~X~~	X		X		X		
B-13 (2-4)				15:15				1	1		X		X		X		
B-13 (7-9)				15:05				1	1		X		X		X		
B-13 (14-16)				15:00				1	1		X		X		X		

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Cody Vanderlick
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C)	Obs. Temp. (°C)	Corrected Temp (°C)
2	12	0	1.7, 2.1	

	Date/Time:		Date/Time:
Relinquished by/Company: (Signature)	9-13-23 15:50	Received by/Company: (Signature)	91423 905
Relinquished by/Company: (Signature)	9.1423 1035	Received by/Company: (Signature)	9/14/23
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	
Relinquished by/Company: (Signature)		Received by/Company: (Signature)	

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier
[ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Pace

Sample Condition Upon Receipt (SC[illegible]

WO# : 20289352

PM: CAL Due Date: 09/15/23

Workorder # CLIENT: 20-TERRACONN

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date: AZ / 9/14/23

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No	☐ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	If custody seals were present, were they intact and unbroken?

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 12 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C:	1.7	(Actual/True)
Cooler #2	Cooler Temp °C:	2.1	(Actual/True)
Cooler #3	Cooler Temp °C:		(Actual/True)
Cooler #4	Cooler Temp °C:		(Actual/True)

Samples on ice: ☑ Yes ☐ No

pH Strip Lot #

Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None

Tracking #:

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☑ Yes	☐ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☐ Yes	☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☑ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☑ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____ HNO3_____ H2SO4_____ NaOH_____ Date: _____ Time: _____
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	

Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20289592001	**B-1 (0-2)**	Solid	09/15/23 13:14	09/15/23 15:21
20289592002	**B-1 (2-4)**	Solid	09/15/23 13:33	09/15/23 15:21
20289592003	**B-1 (7-9)**	Solid	09/15/23 13:24	09/15/23 15:21
20289592004	**B-1 (14-16)**	Solid	09/15/23 13:19	09/15/23 15:21
20289592005	**B-2 (0-2)**	Solid	09/15/23 14:22	09/15/23 15:21
20289592006	**B-2 (3-5)**	Solid	09/15/23 14:37	09/15/23 15:21
20289592007	**B-2 (5-7)**	Solid	09/15/23 14:26	09/15/23 15:21
20289592008	**B-2 (14-16)**	Solid	09/15/23 14:16	09/15/23 15:21
20289592009	**B-19 (0-4)**	Solid	09/15/23 11:14	09/15/23 15:21
20289592010	**B-19 (5-7)**	Solid	09/15/23 11:03	09/15/23 15:21
20289592011	**B-19 (14-16)**	Solid	09/15/23 10:59	09/15/23 15:21
20289592012	**B-18 (0-2)**	Solid	09/15/23 11:57	09/15/23 15:21
20289592013	**B-18 (2-4)**	Solid	09/15/23 12:07	09/15/23 15:21
20289592014	**B-18 (4-6)**	Solid	09/15/23 12:00	09/15/23 15:21
20289592015	**B-18 (14-16)**	Solid	09/15/23 11:51	09/15/23 15:21
20289592016	**DUP3**	Solid	09/15/23 11:06	09/15/23 15:21

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20289592001	**B-1 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592002	**B-1 (2-4)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592003	**B-1 (7-9)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592004	**B-1 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592005	**B-2 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592006	**B-2 (3-5)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592007	**B-2 (5-7)**	EPH	JDG	11	PAN

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592008	**B-2 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592009	**B-19 (0-4)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20289592010	**B-19 (5-7)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20289592011	**B-19 (14-16)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20289592012	**B-18 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592013	**B-18 (2-4)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592014	**B-18 (4-6)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592015	**B-18 (14-16)**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289592016	**DUP3**	EPH	DMG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Date: December 05, 2023

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
16 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2137503

B: Analyte was detected in the associated method blank.

- R3977782-1 (Lab ID: R3977782-1)
  - Aliphatic (>C16-C35)

QC Batch: 2141715

B: Analyte was detected in the associated method blank.

- R3980301-1 (Lab ID: R3980301-1)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
12 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
16 samples were analyzed for EPA 6010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299324

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289293002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1433863)
  - Antimony
  - Barium
  - Nickel
  - Selenium
  - Zinc
- MSD (Lab ID: 1433864)
  - Antimony
  - Chromium
  - Nickel
  - Selenium

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: Terracon - New Orleans
Date: December 05, 2023

QC Batch: 299325

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289592010

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1433867)
  - Antimony
  - Barium
- MSD (Lab ID: 1433868)
  - Antimony

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPA 7471**
Description: 7471 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
16 samples were analyzed for EPA 7471 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299326

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289293002

R1: RPD value was outside control limits.

- MSD (Lab ID: 1433872)
  - Mercury

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
12 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
4 samples were analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2138640

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289592010

R1: RPD value was outside control limits.

- MSD (Lab ID: R3977732-4)
  - 2-Methylnaphthalene
  - Naphthalene
  - Phenanthrene

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
12 samples were analyzed for EPA 8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 300690

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289592001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1439655)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dichloropropane
  - Bromoform
  - Chlorobenzene
  - Dibromochloromethane

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

QC Batch: 300690

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289592001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- Methylene Chloride

- MSD (Lab ID: 1439656)
  - 1,1,1,2-Tetrachloroethane
  - 1,1,1-Trichloroethane
  - 1,1,2,2-Tetrachloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromo-3-chloropropane
  - 1,2-Dichloropropane
  - Bromoform
  - Chlorobenzene
  - Chloroform
  - Dibromochloromethane
  - Methylene Chloride
  - trans-1,2-Dichloroethene

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (0-2) **Lab ID: 20289592001** Collected: 09/15/23 13:14 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 03:12		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 03:12		
Aliphatic (>C16-C35)	**7.37J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 03:12	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:03		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:03		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:03		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:03		
Surrogates										
o-Terphenyl (S)	57.3	%	40.0-140			1	09/22/23 05:48	09/26/23 05:03	84-15-1	
1-Chloro-octadecane (S)	65.6	%	40.0-140			1	09/22/23 05:48	09/26/23 03:12		
2-Fluorobiphenyl (S)	99.0	%	40.0-140			1	09/22/23 05:48	09/26/23 05:03	321-60-8	
2-Bromonaphthalene (S)	98.1	%	40.0-140			1	09/22/23 05:48	09/26/23 05:03	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4270	1810	1200000	1	09/25/23 08:15	09/25/23 11:57		
Aliphatic (>C08-C10)	ND	ug/kg	3510	2090	120000	1	09/25/23 08:15	09/25/23 11:57		
Aromatic (>C08-C10)	ND	ug/kg	3510	1440	65000	1	09/25/23 08:15	09/25/23 11:57		
Surrogates										
4-Bromofluorobenzene (S)	92	%.	63-133			1	09/25/23 08:15	09/25/23 11:57	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	**0.45J**	mg/kg	2.1	0.31	3.1	1	09/17/23 13:43	09/19/23 22:41	7440-36-0	
Arsenic	**3.4**	mg/kg	0.68	0.33	12	1	09/17/23 13:43	09/19/23 22:41	7440-38-2	
Barium	**151**	mg/kg	13.7	0.67	550	1	09/17/23 13:43	09/19/23 22:41	7440-39-3	
Beryllium	**0.71**	mg/kg	0.34	0.050	8	1	09/17/23 13:43	09/19/23 22:41	7440-41-7	
Cadmium	ND	mg/kg	0.34	0.049	3.9	1	09/17/23 13:43	09/19/23 22:41	7440-43-9	
Chromium	**17.6**	mg/kg	0.68	0.31	100	1	09/17/23 13:43	09/19/23 22:41	7440-47-3	
Cobalt	**5.5**	mg/kg	0.68	0.14	470	1	09/17/23 13:43	09/19/23 22:41	7440-48-4	
Copper	**14.7**	mg/kg	0.68	0.16	310	1	09/17/23 13:43	09/19/23 22:41	7440-50-8	
Lead	**11.7**	mg/kg	0.34	0.22	100	1	09/17/23 13:43	09/19/23 22:41	7439-92-1	
Nickel	**16.4**	mg/kg	2.7	2.2	160	1	09/17/23 13:43	09/19/23 22:41	7440-02-0	
Selenium	ND	mg/kg	1.4	0.40	20	1	09/17/23 13:43	09/19/23 22:41	7782-49-2	
Silver	ND	mg/kg	0.68	0.18	39	1	09/17/23 13:43	09/19/23 22:41	7440-22-4	
Thallium	ND	mg/kg	0.34	0.26	.55	1	09/17/23 13:43	09/19/23 22:41	7440-28-0	
Vanadium	**35.1**	mg/kg	3.4	1.4	55	1	09/17/23 13:43	09/19/23 22:41	7440-62-2	
Zinc	**54.7**	mg/kg	3.4	1.8	2300	1	09/17/23 13:43	09/19/23 22:41	7440-66-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (0-2) **Lab ID: 20289592001** Collected: 09/15/23 13:14 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.030**	mg/kg	0.019	0.012		1	09/17/23 15:51	09/20/23 14:19	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/26/23 00:56	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/26/23 00:56	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/26/23 00:56	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/26/23 00:56	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/26/23 00:56	56-55-3	
Benzo(b)fluoranthene	**0.00668J**	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/26/23 00:56	205-99-2	J
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/26/23 00:56	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/26/23 00:56	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 00:56	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 00:56	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/26/23 00:56	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/26/23 00:56	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/26/23 00:56	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/26/23 00:56	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 00:56	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/26/23 00:56	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/26/23 00:56	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/26/23 00:56	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/26/23 00:56	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/26/23 00:56	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/26/23 00:56	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 00:56	606-20-2	
Fluoranthene	**0.0110J**	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/26/23 00:56	206-44-0	J
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/26/23 00:56	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/26/23 00:56	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/26/23 00:56	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/26/23 00:56	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/26/23 00:56	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/26/23 00:56	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/26/23 00:56	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/26/23 00:56	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 00:56	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 00:56	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/26/23 00:56	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/26/23 00:56	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/26/23 00:56	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/26/23 00:56	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/26/23 00:56	621-64-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (0-2) **Lab ID: 20289592001** Collected: 09/15/23 13:14 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/26/23 00:56	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 00:56	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/26/23 00:56	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 00:56	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/26/23 00:56	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/26/23 00:56	117-84-0	
Pyrene	**0.00875J**	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/26/23 00:56	129-00-0	J
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/26/23 00:56	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 00:56	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/26/23 00:56	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/26/23 00:56	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/26/23 00:56	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 00:56	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/26/23 00:56	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/26/23 00:56	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/26/23 00:56	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/26/23 00:56	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 00:56	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 00:56	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 00:56	88-85-7	
Surrogates										
2-Fluorophenol (S)	52.5	%	12.0-120			1	09/23/23 08:33	09/26/23 00:56	367-12-4	
Phenol-d5 (S)	48.8	%	10.0-120			1	09/23/23 08:33	09/26/23 00:56	4165-62-2	
Nitrobenzene-d5 (S)	46.6	%	10.0-122			1	09/23/23 08:33	09/26/23 00:56	4165-60-0	
2-Fluorobiphenyl (S)	53.1	%	15.0-120			1	09/23/23 08:33	09/26/23 00:56	321-60-8	
2,4,6-Tribromophenol (S)	68.7	%	10.0-127			1	09/23/23 08:33	09/26/23 00:56	118-79-6	
Terphenyl-d14 (S)	60.4	%	10.0-120			1	09/23/23 08:33	09/26/23 00:56	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.045**	mg/kg	0.011	0.0048	1.5	1	09/26/23 11:00	09/26/23 15:53	67-64-1	
Benzene	ND	mg/kg	0.0054	0.0015	.051	1	09/26/23 11:00	09/26/23 15:53	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0054	0.0016	.92	1	09/26/23 11:00	09/26/23 15:53	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0018	1.8	1	09/26/23 11:00	09/26/23 15:53	75-25-2	M1
Bromomethane	ND	mg/kg	0.0054	0.0015	.04	1	09/26/23 11:00	09/26/23 15:53	74-83-9	
2-Butanone (MEK)	**0.0064J**	mg/kg	0.011	0.0032	5	1	09/26/23 11:00	09/26/23 15:53	78-93-3	
Carbon disulfide	ND	mg/kg	0.0054	0.0016	11	1	09/26/23 11:00	09/26/23 15:53	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0012	.11	1	09/26/23 11:00	09/26/23 15:53	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0016	3	1	09/26/23 11:00	09/26/23 15:53	108-90-7	M1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (0-2) **Lab ID: 20289592001** Collected: 09/15/23 13:14 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0054	0.0013	.035	1	09/26/23 11:00	09/26/23 15:53	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0015	.044	1	09/26/23 11:00	09/26/23 15:53	67-66-3	M1
Chloromethane	ND	mg/kg	0.0054	0.0013	.1	1	09/26/23 11:00	09/26/23 15:53	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0054	0.0019	.01	1	09/26/23 11:00	09/26/23 15:53	96-12-8	M1
Dibromochloromethane	ND	mg/kg	0.0054	0.0017	1	1	09/26/23 11:00	09/26/23 15:53	124-48-1	M1
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0016	7.5	1	09/26/23 11:00	09/26/23 15:53	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0016	.035	1	09/26/23 11:00	09/26/23 15:53	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0015	.085	1	09/26/23 11:00	09/26/23 15:53	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0015	.49	1	09/26/23 11:00	09/26/23 15:53	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0014	.77	1	09/26/23 11:00	09/26/23 15:53	156-60-5	M1
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0016	.042	1	09/26/23 11:00	09/26/23 15:53	78-87-5	M1
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0016	.04	1	09/26/23 11:00	09/26/23 15:53	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0017	.04	1	09/26/23 11:00	09/26/23 15:53	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0015	19	1	09/26/23 11:00	09/26/23 15:53	100-41-4	
Isobutanol	ND	mg/kg	0.27	0.039	30	1	09/26/23 11:00	09/26/23 15:53	78-83-1	
Methylene Chloride	ND	mg/kg	0.0054	0.0050	.017	1	09/26/23 11:00	09/26/23 15:53	75-09-2	M1
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.011	0.0020	6.4	1	09/26/23 11:00	09/26/23 15:53	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0015	.077	1	09/26/23 11:00	09/26/23 15:53	1634-04-4	
Styrene	ND	mg/kg	0.0054	0.0017	11	1	09/26/23 11:00	09/26/23 15:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0016	.046	1	09/26/23 11:00	09/26/23 15:53	630-20-6	M1
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0021	.006	1	09/26/23 11:00	09/26/23 15:53	79-34-5	M1
Tetrachloroethene	ND	mg/kg	0.0054	0.0016	.18	1	09/26/23 11:00	09/26/23 15:53	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0023	20	1	09/26/23 11:00	09/26/23 15:53	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0016	14	1	09/26/23 11:00	09/26/23 15:53	120-82-1	M1
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0013	4	1	09/26/23 11:00	09/26/23 15:53	71-55-6	M1
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0016	.058	1	09/26/23 11:00	09/26/23 15:53	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0016	.073	1	09/26/23 11:00	09/26/23 15:53	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0013	37	1	09/26/23 11:00	09/26/23 15:53	75-69-4	
Vinyl chloride	ND	mg/kg	0.0022	0.0012	.013	1	09/26/23 11:00	09/26/23 15:53	75-01-4	
m&p-Xylene	ND	mg/kg	0.011	0.0035	18	1	09/26/23 11:00	09/26/23 15:53	179601-23-1	
o-Xylene	ND	mg/kg	0.0054	0.0017	18	1	09/26/23 11:00	09/26/23 15:53	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/26/23 11:00	09/26/23 15:53	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	64-139			1	09/26/23 11:00	09/26/23 15:53	460-00-4	
Dibromofluoromethane (S)	88	%.	66-143			1	09/26/23 11:00	09/26/23 15:53	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (2-4) **Lab ID: 20289592002** Collected: 09/15/23 13:33 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 03:34		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 03:34		
Aliphatic (>C16-C35)	**4.21J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 03:34	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:41		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:41		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:41		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:41		
Surrogates										
o-Terphenyl (S)	54.5	%	40.0-140			1	09/22/23 05:48	09/26/23 04:41	84-15-1	
1-Chloro-octadecane (S)	62.2	%	40.0-140			1	09/22/23 05:48	09/26/23 03:34		
2-Fluorobiphenyl (S)	97.0	%	40.0-140			1	09/22/23 05:48	09/26/23 04:41	321-60-8	
2-Bromonaphthalene (S)	96.4	%	40.0-140			1	09/22/23 05:48	09/26/23 04:41	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4050	1710	1200000	1	09/25/23 08:15	09/25/23 12:19		
Aliphatic (>C08-C10)	ND	ug/kg	3330	1990	120000	1	09/25/23 08:15	09/25/23 12:19		
Aromatic (>C08-C10)	ND	ug/kg	3330	1360	65000	1	09/25/23 08:15	09/25/23 12:19		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/25/23 08:15	09/25/23 12:19	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.1	0.31	3.1	1	09/17/23 13:43	09/19/23 22:45	7440-36-0	
Arsenic	**2.9**	mg/kg	0.68	0.33	12	1	09/17/23 13:43	09/19/23 22:45	7440-38-2	
Barium	**148**	mg/kg	13.7	0.67	550	1	09/17/23 13:43	09/19/23 22:45	7440-39-3	
Beryllium	**0.66**	mg/kg	0.34	0.050	8	1	09/17/23 13:43	09/19/23 22:45	7440-41-7	
Cadmium	ND	mg/kg	0.34	0.049	3.9	1	09/17/23 13:43	09/19/23 22:45	7440-43-9	
Chromium	**15.6**	mg/kg	0.68	0.31	100	1	09/17/23 13:43	09/19/23 22:45	7440-47-3	
Cobalt	**5.0**	mg/kg	0.68	0.14	470	1	09/17/23 13:43	09/19/23 22:45	7440-48-4	
Copper	**11.7**	mg/kg	0.68	0.16	310	1	09/17/23 13:43	09/19/23 22:45	7440-50-8	
Lead	**11.7**	mg/kg	0.34	0.22	100	1	09/17/23 13:43	09/19/23 22:45	7439-92-1	
Nickel	**14.1**	mg/kg	2.7	2.2	160	1	09/17/23 13:43	09/19/23 22:45	7440-02-0	
Selenium	**0.41J**	mg/kg	1.4	0.40	20	1	09/17/23 13:43	09/19/23 22:45	7782-49-2	
Silver	ND	mg/kg	0.68	0.18	39	1	09/17/23 13:43	09/19/23 22:45	7440-22-4	
Thallium	**0.29J**	mg/kg	0.34	0.26	.55	1	09/17/23 13:43	09/19/23 22:45	7440-28-0	
Vanadium	**32.6**	mg/kg	3.4	1.4	55	1	09/17/23 13:43	09/19/23 22:45	7440-62-2	
Zinc	**48.5**	mg/kg	3.4	1.8	2300	1	09/17/23 13:43	09/19/23 22:45	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (2-4) **Lab ID: 20289592002** Collected: 09/15/23 13:33 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.037**	mg/kg	0.017	0.011		1	09/17/23 15:51	09/20/23 14:21	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 21:26	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 21:26	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 21:26	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 21:26	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 21:26	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 21:26	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 21:26	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 21:26	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 21:26	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:26	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 21:26	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 21:26	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 21:26	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 21:26	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 21:26	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 21:26	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 21:26	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 21:26	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 21:26	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 21:26	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 21:26	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 21:26	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 21:26	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 21:26	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 21:26	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 21:26	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 21:26	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 21:26	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 21:26	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 21:26	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 21:26	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 21:26	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 21:26	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 21:26	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 21:26	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 21:26	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 21:26	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 21:26	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (2-4) **Lab ID: 20289592002** Collected: 09/15/23 13:33 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 21:26	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 21:26	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 21:26	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:26	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 21:26	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 21:26	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 21:26	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 21:26	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:26	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 21:26	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 21:26	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 21:26	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 21:26	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 21:26	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 21:26	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 21:26	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 21:26	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 21:26	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 18:35	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 18:35	88-85-7	
Surrogates										
2-Fluorophenol (S)	55.0	%	12.0-120			1	09/23/23 08:33	09/23/23 21:26	367-12-4	
Phenol-d5 (S)	49.7	%	10.0-120			1	09/23/23 08:33	09/23/23 21:26	4165-62-2	
Nitrobenzene-d5 (S)	43.7	%	10.0-122			1	09/23/23 08:33	09/23/23 21:26	4165-60-0	
2-Fluorobiphenyl (S)	49.1	%	15.0-120			1	09/23/23 08:33	09/23/23 21:26	321-60-8	
2,4,6-Tribromophenol (S)	42.0	%	10.0-127			1	09/23/23 08:33	09/23/23 21:26	118-79-6	
Terphenyl-d14 (S)	54.1	%	10.0-120			1	09/23/23 08:33	09/23/23 21:26	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.035**	mg/kg	0.0098	0.0043	1.5	1	09/26/23 11:00	09/26/23 16:12	67-64-1	
Benzene	ND	mg/kg	0.0049	0.0014	.051	1	09/26/23 11:00	09/26/23 16:12	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0049	0.0015	.92	1	09/26/23 11:00	09/26/23 16:12	75-27-4	
Bromoform	ND	mg/kg	0.0049	0.0016	1.8	1	09/26/23 11:00	09/26/23 16:12	75-25-2	
Bromomethane	ND	mg/kg	0.0049	0.0014	.04	1	09/26/23 11:00	09/26/23 16:12	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0098	0.0029	5	1	09/26/23 11:00	09/26/23 16:12	78-93-3	
Carbon disulfide	ND	mg/kg	0.0049	0.0014	11	1	09/26/23 11:00	09/26/23 16:12	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0049	0.0010	.11	1	09/26/23 11:00	09/26/23 16:12	56-23-5	
Chlorobenzene	ND	mg/kg	0.0049	0.0014	3	1	09/26/23 11:00	09/26/23 16:12	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (2-4) **Lab ID: 20289592002** Collected: 09/15/23 13:33 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0049	0.0012	.035	1	09/26/23 11:00	09/26/23 16:12	75-00-3	
Chloroform	ND	mg/kg	0.0049	0.0014	.044	1	09/26/23 11:00	09/26/23 16:12	67-66-3	
Chloromethane	ND	mg/kg	0.0049	0.0012	.1	1	09/26/23 11:00	09/26/23 16:12	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0049	0.0018	.01	1	09/26/23 11:00	09/26/23 16:12	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0049	0.0016	1	1	09/26/23 11:00	09/26/23 16:12	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0049	0.0015	7.5	1	09/26/23 11:00	09/26/23 16:12	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0049	0.0015	.035	1	09/26/23 11:00	09/26/23 16:12	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0049	0.0013	.085	1	09/26/23 11:00	09/26/23 16:12	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0014	.49	1	09/26/23 11:00	09/26/23 16:12	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0049	0.0012	.77	1	09/26/23 11:00	09/26/23 16:12	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0049	0.0015	.042	1	09/26/23 11:00	09/26/23 16:12	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0015	.04	1	09/26/23 11:00	09/26/23 16:12	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0049	0.0016	.04	1	09/26/23 11:00	09/26/23 16:12	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0049	0.0014	19	1	09/26/23 11:00	09/26/23 16:12	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.036	30	1	09/26/23 11:00	09/26/23 16:12	78-83-1	
Methylene Chloride	ND	mg/kg	0.0049	0.0045	.017	1	09/26/23 11:00	09/26/23 16:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0098	0.0018	6.4	1	09/26/23 11:00	09/26/23 16:12	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0049	0.0014	.077	1	09/26/23 11:00	09/26/23 16:12	1634-04-4	
Styrene	ND	mg/kg	0.0049	0.0016	11	1	09/26/23 11:00	09/26/23 16:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0015	.046	1	09/26/23 11:00	09/26/23 16:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0049	0.0019	.006	1	09/26/23 11:00	09/26/23 16:12	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0049	0.0014	.18	1	09/26/23 11:00	09/26/23 16:12	127-18-4	
Toluene	ND	mg/kg	0.0049	0.0021	20	1	09/26/23 11:00	09/26/23 16:12	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0049	0.0015	14	1	09/26/23 11:00	09/26/23 16:12	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0049	0.0012	4	1	09/26/23 11:00	09/26/23 16:12	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0049	0.0015	.058	1	09/26/23 11:00	09/26/23 16:12	79-00-5	
Trichloroethene	ND	mg/kg	0.0049	0.0014	.073	1	09/26/23 11:00	09/26/23 16:12	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0049	0.0012	37	1	09/26/23 11:00	09/26/23 16:12	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/26/23 11:00	09/26/23 16:12	75-01-4	
m&p-Xylene	ND	mg/kg	0.0098	0.0032	18	1	09/26/23 11:00	09/26/23 16:12	179601-23-1	
o-Xylene	ND	mg/kg	0.0049	0.0015	18	1	09/26/23 11:00	09/26/23 16:12	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/26/23 11:00	09/26/23 16:12	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	64-139			1	09/26/23 11:00	09/26/23 16:12	460-00-4	
Dibromofluoromethane (S)	90	%.	66-143			1	09/26/23 11:00	09/26/23 16:12	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (7-9) **Lab ID: 20289592003** Collected: 09/15/23 13:24 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 03:56		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 03:56		
Aliphatic (>C16-C35)	**2.20J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 03:56	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:18		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:18		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:18		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 04:18		
Surrogates										
o-Terphenyl (S)	70.7	%	40.0-140			1	09/22/23 05:48	09/26/23 04:18	84-15-1	
1-Chloro-octadecane (S)	74.4	%	40.0-140			1	09/22/23 05:48	09/26/23 03:56		
2-Fluorobiphenyl (S)	99.1	%	40.0-140			1	09/22/23 05:48	09/26/23 04:18	321-60-8	
2-Bromonaphthalene (S)	97.7	%	40.0-140			1	09/22/23 05:48	09/26/23 04:18	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4300	1820	1200000	1	09/25/23 08:15	09/25/23 12:42		
Aliphatic (>C08-C10)	ND	ug/kg	3540	2110	120000	1	09/25/23 08:15	09/25/23 12:42		
Aromatic (>C08-C10)	ND	ug/kg	3540	1450	65000	1	09/25/23 08:15	09/25/23 12:42		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1	09/25/23 08:15	09/25/23 12:42	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	1.9	0.29	3.1	1	09/17/23 13:43	09/19/23 22:49	7440-36-0	
Arsenic	**2.8**	mg/kg	0.64	0.31	12	1	09/17/23 13:43	09/19/23 22:49	7440-38-2	
Barium	**129**	mg/kg	12.8	0.63	550	1	09/17/23 13:43	09/19/23 22:49	7440-39-3	
Beryllium	**0.34**	mg/kg	0.32	0.047	8	1	09/17/23 13:43	09/19/23 22:49	7440-41-7	
Cadmium	**0.17J**	mg/kg	0.32	0.046	3.9	1	09/17/23 13:43	09/19/23 22:49	7440-43-9	
Chromium	**11.1**	mg/kg	0.64	0.29	100	1	09/17/23 13:43	09/19/23 22:49	7440-47-3	
Cobalt	**6.2**	mg/kg	0.64	0.13	470	1	09/17/23 13:43	09/19/23 22:49	7440-48-4	
Copper	**9.8**	mg/kg	0.64	0.15	310	1	09/17/23 13:43	09/19/23 22:49	7440-50-8	
Lead	**6.9**	mg/kg	0.32	0.21	100	1	09/17/23 13:43	09/19/23 22:49	7439-92-1	
Nickel	**14.8**	mg/kg	2.6	2.0	160	1	09/17/23 13:43	09/19/23 22:49	7440-02-0	
Selenium	ND	mg/kg	1.3	0.38	20	1	09/17/23 13:43	09/19/23 22:49	7782-49-2	
Silver	ND	mg/kg	0.64	0.17	39	1	09/17/23 13:43	09/19/23 22:49	7440-22-4	
Thallium	**0.38**	mg/kg	0.32	0.25	.55	1	09/17/23 13:43	09/19/23 22:49	7440-28-0	
Vanadium	**20.4**	mg/kg	3.2	1.3	55	1	09/17/23 13:43	09/19/23 22:49	7440-62-2	
Zinc	**36.8**	mg/kg	3.2	1.6	2300	1	09/17/23 13:43	09/19/23 22:49	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (7-9) **Lab ID: 20289592003** Collected: 09/15/23 13:24 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.026**	mg/kg	0.013	0.0087		1	09/17/23 15:51	09/20/23 14:24	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 19:14	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 19:14	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 19:14	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 19:14	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 19:14	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 19:14	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 19:14	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 19:14	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 19:14	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:14	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 19:14	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 19:14	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 19:14	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 19:14	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 19:14	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 19:14	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 19:14	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 19:14	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 19:14	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 19:14	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 19:14	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 19:14	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 19:14	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 19:14	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 19:14	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 19:14	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 19:14	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 19:14	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 19:14	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 19:14	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 19:14	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 19:14	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 19:14	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 19:14	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 19:14	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 19:14	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 19:14	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 19:14	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (7-9) **Lab ID: 20289592003** Collected: 09/15/23 13:24 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 19:14	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 19:14	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 19:14	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:14	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 19:14	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 19:14	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 19:14	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 19:14	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:14	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 19:14	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 19:14	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 19:14	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 19:14	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 19:14	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 19:14	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 19:14	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 19:14	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 19:14	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 16:25	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 16:25	88-85-7	
Surrogates										
2-Fluorophenol (S)	59.5	%	12.0-120			1	09/23/23 08:33	09/23/23 19:14	367-12-4	
Phenol-d5 (S)	53.3	%	10.0-120			1	09/23/23 08:33	09/23/23 19:14	4165-62-2	
Nitrobenzene-d5 (S)	46.9	%	10.0-122			1	09/23/23 08:33	09/23/23 19:14	4165-60-0	
2-Fluorobiphenyl (S)	50.9	%	15.0-120			1	09/23/23 08:33	09/23/23 19:14	321-60-8	
2,4,6-Tribromophenol (S)	45.3	%	10.0-127			1	09/23/23 08:33	09/23/23 19:14	118-79-6	
Terphenyl-d14 (S)	59.1	%	10.0-120			1	09/23/23 08:33	09/23/23 19:14	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.011**	mg/kg	0.0096	0.0042	1.5	1	09/26/23 11:00	09/26/23 16:31	67-64-1	
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/26/23 11:00	09/26/23 16:31	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0014	.92	1	09/26/23 11:00	09/26/23 16:31	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/26/23 11:00	09/26/23 16:31	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/26/23 11:00	09/26/23 16:31	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0096	0.0028	5	1	09/26/23 11:00	09/26/23 16:31	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/26/23 11:00	09/26/23 16:31	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/26/23 11:00	09/26/23 16:31	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/26/23 11:00	09/26/23 16:31	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (7-9) **Lab ID: 20289592003** Collected: 09/15/23 13:24 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/26/23 11:00	09/26/23 16:31	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0013	.044	1	09/26/23 11:00	09/26/23 16:31	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/26/23 11:00	09/26/23 16:31	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/26/23 11:00	09/26/23 16:31	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/26/23 11:00	09/26/23 16:31	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0014	7.5	1	09/26/23 11:00	09/26/23 16:31	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/26/23 11:00	09/26/23 16:31	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0013	.085	1	09/26/23 11:00	09/26/23 16:31	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/26/23 11:00	09/26/23 16:31	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/26/23 11:00	09/26/23 16:31	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0015	.042	1	09/26/23 11:00	09/26/23 16:31	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/26/23 11:00	09/26/23 16:31	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0015	.04	1	09/26/23 11:00	09/26/23 16:31	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/26/23 11:00	09/26/23 16:31	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/26/23 11:00	09/26/23 16:31	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0044	.017	1	09/26/23 11:00	09/26/23 16:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0096	0.0018	6.4	1	09/26/23 11:00	09/26/23 16:31	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/26/23 11:00	09/26/23 16:31	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0015	11	1	09/26/23 11:00	09/26/23 16:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/26/23 11:00	09/26/23 16:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0018	.006	1	09/26/23 11:00	09/26/23 16:31	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/26/23 11:00	09/26/23 16:31	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0020	20	1	09/26/23 11:00	09/26/23 16:31	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0014	14	1	09/26/23 11:00	09/26/23 16:31	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/26/23 11:00	09/26/23 16:31	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0014	.058	1	09/26/23 11:00	09/26/23 16:31	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/26/23 11:00	09/26/23 16:31	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/26/23 11:00	09/26/23 16:31	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/26/23 11:00	09/26/23 16:31	75-01-4	
m&p-Xylene	ND	mg/kg	0.0096	0.0031	18	1	09/26/23 11:00	09/26/23 16:31	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/26/23 11:00	09/26/23 16:31	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/26/23 11:00	09/26/23 16:31	2037-26-5	
4-Bromofluorobenzene (S)	94	%.	64-139			1	09/26/23 11:00	09/26/23 16:31	460-00-4	
Dibromofluoromethane (S)	88	%.	66-143			1	09/26/23 11:00	09/26/23 16:31	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (14-16) **Lab ID: 20289592004** Collected: 09/15/23 13:19 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 12:29		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 12:29		
Aliphatic (>C16-C35)	**2.47J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 12:29	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:56		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:56		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:56		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:56		
Surrogates										
o-Terphenyl (S)	77.4	%	40.0-140			1	09/22/23 05:48	09/26/23 19:56	84-15-1	
1-Chloro-octadecane (S)	76.8	%	40.0-140			1	09/22/23 05:48	09/26/23 12:29		
2-Fluorobiphenyl (S)	100	%	40.0-140			1	09/22/23 05:48	09/26/23 19:56	321-60-8	
2-Bromonaphthalene (S)	100	%	40.0-140			1	09/22/23 05:48	09/26/23 19:56	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4240	1800	1200000	1	09/25/23 08:15	09/25/23 13:05		
Aliphatic (>C08-C10)	ND	ug/kg	3490	2080	120000	1	09/25/23 08:15	09/25/23 13:05		
Aromatic (>C08-C10)	ND	ug/kg	3490	1430	65000	1	09/25/23 08:15	09/25/23 13:05		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1	09/25/23 08:15	09/25/23 13:05	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.9	0.44	3.1	1	09/17/23 13:43	09/19/23 22:53	7440-36-0	
Arsenic	**2.2**	mg/kg	0.98	0.47	12	1	09/17/23 13:43	09/19/23 22:53	7440-38-2	
Barium	**75.0**	mg/kg	19.6	0.96	550	1	09/17/23 13:43	09/19/23 22:53	7440-39-3	
Beryllium	**0.21J**	mg/kg	0.49	0.072	8	1	09/17/23 13:43	09/19/23 22:53	7440-41-7	
Cadmium	ND	mg/kg	0.49	0.070	3.9	1	09/17/23 13:43	09/19/23 22:53	7440-43-9	
Chromium	**7.5**	mg/kg	0.98	0.44	100	1	09/17/23 13:43	09/19/23 22:53	7440-47-3	
Cobalt	**4.5**	mg/kg	0.98	0.21	470	1	09/17/23 13:43	09/19/23 22:53	7440-48-4	
Copper	**5.0**	mg/kg	0.98	0.24	310	1	09/17/23 13:43	09/19/23 22:53	7440-50-8	
Lead	**4.8**	mg/kg	0.49	0.31	100	1	09/17/23 13:43	09/19/23 22:53	7439-92-1	
Nickel	**9.8**	mg/kg	3.9	3.1	160	1	09/17/23 13:43	09/19/23 22:53	7440-02-0	
Selenium	ND	mg/kg	2.0	0.58	20	1	09/17/23 13:43	09/19/23 22:53	7782-49-2	
Silver	ND	mg/kg	0.98	0.25	39	1	09/17/23 13:43	09/19/23 22:53	7440-22-4	
Thallium	ND	mg/kg	0.49	0.38	.55	1	09/17/23 13:43	09/19/23 22:53	7440-28-0	
Vanadium	**15.0**	mg/kg	4.9	2.0	55	1	09/17/23 13:43	09/19/23 22:53	7440-62-2	
Zinc	**26.2**	mg/kg	4.9	2.5	2300	1	09/17/23 13:43	09/19/23 22:53	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (14-16) **Lab ID: 20289592004** Collected: 09/15/23 13:19 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	ND	mg/kg	0.020	0.013		1	09/17/23 15:51	09/20/23 14:26	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 22:10	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 22:10	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 22:10	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 22:10	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 22:10	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 22:10	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 22:10	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 22:10	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 22:10	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:10	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 22:10	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 22:10	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 22:10	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 22:10	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 22:10	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 22:10	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 22:10	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 22:10	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 22:10	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 22:10	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 22:10	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 22:10	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 22:10	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 22:10	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 22:10	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 22:10	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 22:10	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 22:10	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 22:10	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 22:10	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 22:10	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 22:10	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 22:10	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 22:10	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 22:10	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 22:10	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 22:10	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 22:10	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (14-16) **Lab ID: 20289592004** Collected: 09/15/23 13:19 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 22:10	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 22:10	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 22:10	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:10	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 22:10	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 22:10	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 22:10	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 22:10	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:10	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 22:10	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 22:10	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 22:10	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 22:10	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 22:10	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 22:10	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 22:10	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 22:10	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 22:10	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 19:01	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 19:01	88-85-7	
Surrogates										
2-Fluorophenol (S)	46.2	%	12.0-120			1	09/23/23 08:33	09/23/23 22:10	367-12-4	
Phenol-d5 (S)	41.4	%	10.0-120			1	09/23/23 08:33	09/23/23 22:10	4165-62-2	
Nitrobenzene-d5 (S)	36.6	%	10.0-122			1	09/23/23 08:33	09/23/23 22:10	4165-60-0	
2-Fluorobiphenyl (S)	40.6	%	15.0-120			1	09/23/23 08:33	09/23/23 22:10	321-60-8	
2,4,6-Tribromophenol (S)	34.6	%	10.0-127			1	09/23/23 08:33	09/23/23 22:10	118-79-6	
Terphenyl-d14 (S)	44.6	%	10.0-120			1	09/23/23 08:33	09/23/23 22:10	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0088J**	mg/kg	0.011	0.0046	1.5	1	09/26/23 11:00	09/26/23 16:50	67-64-1	
Benzene	ND	mg/kg	0.0053	0.0015	.051	1	09/26/23 11:00	09/26/23 16:50	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0053	0.0016	.92	1	09/26/23 11:00	09/26/23 16:50	75-27-4	
Bromoform	ND	mg/kg	0.0053	0.0017	1.8	1	09/26/23 11:00	09/26/23 16:50	75-25-2	
Bromomethane	ND	mg/kg	0.0053	0.0015	.04	1	09/26/23 11:00	09/26/23 16:50	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.011	0.0031	5	1	09/26/23 11:00	09/26/23 16:50	78-93-3	
Carbon disulfide	ND	mg/kg	0.0053	0.0015	11	1	09/26/23 11:00	09/26/23 16:50	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	0.0011	.11	1	09/26/23 11:00	09/26/23 16:50	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	0.0015	3	1	09/26/23 11:00	09/26/23 16:50	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-1 (14-16) **Lab ID: 20289592004** Collected: 09/15/23 13:19 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0053	0.0013	.035	1	09/26/23 11:00	09/26/23 16:50	75-00-3	
Chloroform	ND	mg/kg	0.0053	0.0015	.044	1	09/26/23 11:00	09/26/23 16:50	67-66-3	
Chloromethane	ND	mg/kg	0.0053	0.0013	.1	1	09/26/23 11:00	09/26/23 16:50	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0053	0.0019	.01	1	09/26/23 11:00	09/26/23 16:50	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0053	0.0017	1	1	09/26/23 11:00	09/26/23 16:50	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0053	0.0016	7.5	1	09/26/23 11:00	09/26/23 16:50	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0053	0.0016	.035	1	09/26/23 11:00	09/26/23 16:50	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0053	0.0014	.085	1	09/26/23 11:00	09/26/23 16:50	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0015	.49	1	09/26/23 11:00	09/26/23 16:50	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0013	.77	1	09/26/23 11:00	09/26/23 16:50	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0053	0.0016	.042	1	09/26/23 11:00	09/26/23 16:50	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0016	.04	1	09/26/23 11:00	09/26/23 16:50	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0017	.04	1	09/26/23 11:00	09/26/23 16:50	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0053	0.0015	19	1	09/26/23 11:00	09/26/23 16:50	100-41-4	
Isobutanol	ND	mg/kg	0.26	0.038	30	1	09/26/23 11:00	09/26/23 16:50	78-83-1	
Methylene Chloride	ND	mg/kg	0.0053	0.0049	.017	1	09/26/23 11:00	09/26/23 16:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.011	0.0020	6.4	1	09/26/23 11:00	09/26/23 16:50	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	0.0015	.077	1	09/26/23 11:00	09/26/23 16:50	1634-04-4	
Styrene	ND	mg/kg	0.0053	0.0017	11	1	09/26/23 11:00	09/26/23 16:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0016	.046	1	09/26/23 11:00	09/26/23 16:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0020	.006	1	09/26/23 11:00	09/26/23 16:50	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0053	0.0015	.18	1	09/26/23 11:00	09/26/23 16:50	127-18-4	
Toluene	ND	mg/kg	0.0053	0.0022	20	1	09/26/23 11:00	09/26/23 16:50	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	0.0016	14	1	09/26/23 11:00	09/26/23 16:50	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0053	0.0013	4	1	09/26/23 11:00	09/26/23 16:50	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	0.0016	.058	1	09/26/23 11:00	09/26/23 16:50	79-00-5	
Trichloroethene	ND	mg/kg	0.0053	0.0015	.073	1	09/26/23 11:00	09/26/23 16:50	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0053	0.0013	37	1	09/26/23 11:00	09/26/23 16:50	75-69-4	
Vinyl chloride	ND	mg/kg	0.0021	0.0012	.013	1	09/26/23 11:00	09/26/23 16:50	75-01-4	
m&p-Xylene	ND	mg/kg	0.011	0.0034	18	1	09/26/23 11:00	09/26/23 16:50	179601-23-1	
o-Xylene	ND	mg/kg	0.0053	0.0016	18	1	09/26/23 11:00	09/26/23 16:50	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/26/23 11:00	09/26/23 16:50	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/26/23 11:00	09/26/23 16:50	460-00-4	
Dibromofluoromethane (S)	87	%.	66-143			1	09/26/23 11:00	09/26/23 16:50	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (0-2) **Lab ID: 20289592005** Collected: 09/15/23 14:22 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 12:51		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 12:51		
Aliphatic (>C16-C35)	**10.6J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 12:51	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:34		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:34		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:34		
Aromatic (>C21-C35)	**2.16J**	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:34		J
Surrogates										
o-Terphenyl (S)	41.4	%	40.0-140			1	09/22/23 05:48	09/26/23 19:34	84-15-1	
1-Chloro-octadecane (S)	46.8	%	40.0-140			1	09/22/23 05:48	09/26/23 12:51		
2-Fluorobiphenyl (S)	97.9	%	40.0-140			1	09/22/23 05:48	09/26/23 19:34	321-60-8	
2-Bromonaphthalene (S)	97.7	%	40.0-140			1	09/22/23 05:48	09/26/23 19:34	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4160	1760	1200000	1	09/25/23 08:15	09/25/23 13:27		
Aliphatic (>C08-C10)	**2180J**	ug/kg	3420	2040	120000	1	09/25/23 08:15	09/25/23 13:27		
Aromatic (>C08-C10)	ND	ug/kg	3420	1400	65000	1	09/25/23 08:15	09/25/23 13:27		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1	09/25/23 08:15	09/25/23 13:27	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.1	0.31	3.1	1	09/17/23 13:43	09/19/23 22:56	7440-36-0	
Arsenic	**3.3**	mg/kg	0.69	0.33	12	1	09/17/23 13:43	09/19/23 22:56	7440-38-2	
Barium	**173**	mg/kg	13.9	0.68	550	1	09/17/23 13:43	09/19/23 22:56	7440-39-3	
Beryllium	**0.85**	mg/kg	0.35	0.051	8	1	09/17/23 13:43	09/19/23 22:56	7440-41-7	
Cadmium	ND	mg/kg	0.35	0.049	3.9	1	09/17/23 13:43	09/19/23 22:56	7440-43-9	
Chromium	**20.2**	mg/kg	0.69	0.31	100	1	09/17/23 13:43	09/19/23 22:56	7440-47-3	
Cobalt	**6.7**	mg/kg	0.69	0.15	470	1	09/17/23 13:43	09/19/23 22:56	7440-48-4	
Copper	**18.2**	mg/kg	0.69	0.17	310	1	09/17/23 13:43	09/19/23 22:56	7440-50-8	
Lead	**13.5**	mg/kg	0.35	0.22	100	1	09/17/23 13:43	09/19/23 22:56	7439-92-1	
Nickel	**16.4**	mg/kg	2.8	2.2	160	1	09/17/23 13:43	09/19/23 22:56	7440-02-0	
Selenium	ND	mg/kg	1.4	0.41	20	1	09/17/23 13:43	09/19/23 22:56	7782-49-2	
Silver	ND	mg/kg	0.69	0.18	39	1	09/17/23 13:43	09/19/23 22:56	7440-22-4	
Thallium	**0.43**	mg/kg	0.35	0.27	.55	1	09/17/23 13:43	09/19/23 22:56	7440-28-0	
Vanadium	**37.8**	mg/kg	3.5	1.4	55	1	09/17/23 13:43	09/19/23 22:56	7440-62-2	
Zinc	**64.8**	mg/kg	3.5	1.8	2300	1	09/17/23 13:43	09/19/23 22:56	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (0-2) **Lab ID: 20289592005** Collected: 09/15/23 14:22 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.034**	mg/kg	0.015	0.0095		1	09/17/23 15:51	09/20/23 14:38	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 21:04	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 21:04	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 21:04	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 21:04	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 21:04	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 21:04	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 21:04	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 21:04	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 21:04	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:04	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 21:04	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 21:04	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 21:04	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 21:04	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 21:04	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 21:04	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 21:04	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 21:04	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 21:04	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 21:04	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 21:04	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 21:04	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 21:04	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 21:04	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 21:04	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 21:04	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 21:04	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 21:04	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 21:04	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 21:04	78-59-1	
2-Methylnaphthalene	**0.0146J**	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 21:04	91-57-6	J
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 21:04	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 21:04	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 21:04	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 21:04	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 21:04	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 21:04	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 21:04	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (0-2) **Lab ID: 20289592005** Collected: 09/15/23 14:22 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 21:04	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 21:04	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 21:04	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:04	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 21:04	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 21:04	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 21:04	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 21:04	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:04	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 21:04	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 21:04	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 21:04	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 21:04	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 21:04	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 21:04	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 21:04	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 21:04	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 21:04	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 18:09	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 18:09	88-85-7	
Surrogates										
2-Fluorophenol (S)	59.2	%	12.0-120			1	09/23/23 08:33	09/23/23 21:04	367-12-4	
Phenol-d5 (S)	54.1	%	10.0-120			1	09/23/23 08:33	09/23/23 21:04	4165-62-2	
Nitrobenzene-d5 (S)	47.3	%	10.0-122			1	09/23/23 08:33	09/23/23 21:04	4165-60-0	
2-Fluorobiphenyl (S)	53.3	%	15.0-120			1	09/23/23 08:33	09/23/23 21:04	321-60-8	
2,4,6-Tribromophenol (S)	46.4	%	10.0-127			1	09/23/23 08:33	09/23/23 21:04	118-79-6	
Terphenyl-d14 (S)	62.1	%	10.0-120			1	09/23/23 08:33	09/23/23 21:04	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.053**	mg/kg	0.0094	0.0041	1.5	1	09/26/23 11:00	09/26/23 17:09	67-64-1	
Benzene	ND	mg/kg	0.0047	0.0013	.051	1	09/26/23 11:00	09/26/23 17:09	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0047	0.0014	.92	1	09/26/23 11:00	09/26/23 17:09	75-27-4	
Bromoform	ND	mg/kg	0.0047	0.0015	1.8	1	09/26/23 11:00	09/26/23 17:09	75-25-2	
Bromomethane	ND	mg/kg	0.0047	0.0013	.04	1	09/26/23 11:00	09/26/23 17:09	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0094	0.0027	5	1	09/26/23 11:00	09/26/23 17:09	78-93-3	
Carbon disulfide	ND	mg/kg	0.0047	0.0014	11	1	09/26/23 11:00	09/26/23 17:09	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0047	0.0010	.11	1	09/26/23 11:00	09/26/23 17:09	56-23-5	
Chlorobenzene	ND	mg/kg	0.0047	0.0014	3	1	09/26/23 11:00	09/26/23 17:09	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (0-2) **Lab ID: 20289592005** Collected: 09/15/23 14:22 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0047	0.0012	.035	1	09/26/23 11:00	09/26/23 17:09	75-00-3	
Chloroform	ND	mg/kg	0.0047	0.0013	.044	1	09/26/23 11:00	09/26/23 17:09	67-66-3	
Chloromethane	ND	mg/kg	0.0047	0.0011	.1	1	09/26/23 11:00	09/26/23 17:09	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0047	0.0017	.01	1	09/26/23 11:00	09/26/23 17:09	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0047	0.0015	1	1	09/26/23 11:00	09/26/23 17:09	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0047	0.0014	7.5	1	09/26/23 11:00	09/26/23 17:09	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0047	0.0014	.035	1	09/26/23 11:00	09/26/23 17:09	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0047	0.0013	.085	1	09/26/23 11:00	09/26/23 17:09	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0013	.49	1	09/26/23 11:00	09/26/23 17:09	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0012	.77	1	09/26/23 11:00	09/26/23 17:09	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0047	0.0014	.042	1	09/26/23 11:00	09/26/23 17:09	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0014	.04	1	09/26/23 11:00	09/26/23 17:09	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0015	.04	1	09/26/23 11:00	09/26/23 17:09	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0047	0.0013	19	1	09/26/23 11:00	09/26/23 17:09	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.034	30	1	09/26/23 11:00	09/26/23 17:09	78-83-1	
Methylene Chloride	ND	mg/kg	0.0047	0.0043	.017	1	09/26/23 11:00	09/26/23 17:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0094	0.0018	6.4	1	09/26/23 11:00	09/26/23 17:09	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0047	0.0013	.077	1	09/26/23 11:00	09/26/23 17:09	1634-04-4	
Styrene	ND	mg/kg	0.0047	0.0015	11	1	09/26/23 11:00	09/26/23 17:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0014	.046	1	09/26/23 11:00	09/26/23 17:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0018	.006	1	09/26/23 11:00	09/26/23 17:09	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0047	0.0014	.18	1	09/26/23 11:00	09/26/23 17:09	127-18-4	
Toluene	ND	mg/kg	0.0047	0.0020	20	1	09/26/23 11:00	09/26/23 17:09	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0047	0.0014	14	1	09/26/23 11:00	09/26/23 17:09	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0047	0.0012	4	1	09/26/23 11:00	09/26/23 17:09	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0047	0.0014	.058	1	09/26/23 11:00	09/26/23 17:09	79-00-5	
Trichloroethene	ND	mg/kg	0.0047	0.0014	.073	1	09/26/23 11:00	09/26/23 17:09	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0047	0.0012	37	1	09/26/23 11:00	09/26/23 17:09	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0010	.013	1	09/26/23 11:00	09/26/23 17:09	75-01-4	
m&p-Xylene	ND	mg/kg	0.0094	0.0030	18	1	09/26/23 11:00	09/26/23 17:09	179601-23-1	
o-Xylene	ND	mg/kg	0.0047	0.0015	18	1	09/26/23 11:00	09/26/23 17:09	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/26/23 11:00	09/26/23 17:09	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/26/23 11:00	09/26/23 17:09	460-00-4	
Dibromofluoromethane (S)	89	%.	66-143			1	09/26/23 11:00	09/26/23 17:09	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (3-5) **Lab ID: 20289592006** Collected: 09/15/23 14:37 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 13:14		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 13:14		
Aliphatic (>C16-C35)	**3.84J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 13:14	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:11		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:11		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:11		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 19:11		
Surrogates										
o-Terphenyl (S)	54.5	%	40.0-140			1	09/22/23 05:48	09/26/23 19:11	84-15-1	
1-Chloro-octadecane (S)	65.2	%	40.0-140			1	09/22/23 05:48	09/26/23 13:14		
2-Fluorobiphenyl (S)	99.4	%	40.0-140			1	09/22/23 05:48	09/26/23 19:11	321-60-8	
2-Bromonaphthalene (S)	99.1	%	40.0-140			1	09/22/23 05:48	09/26/23 19:11	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4090	1730	1200000	1	09/25/23 08:15	09/25/23 13:50		
Aliphatic (>C08-C10)	ND	ug/kg	3370	2010	120000	1	09/25/23 08:15	09/25/23 13:50		
Aromatic (>C08-C10)	ND	ug/kg	3370	1380	65000	1	09/25/23 08:15	09/25/23 13:50		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1	09/25/23 08:15	09/25/23 13:50	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	**0.55J**	mg/kg	2.1	0.31	3.1	1	09/17/23 13:43	09/19/23 23:00	7440-36-0	
Arsenic	**4.7**	mg/kg	0.69	0.33	12	1	09/17/23 13:43	09/19/23 23:00	7440-38-2	
Barium	**159**	mg/kg	13.9	0.68	550	1	09/17/23 13:43	09/19/23 23:00	7440-39-3	
Beryllium	**0.66**	mg/kg	0.35	0.051	8	1	09/17/23 13:43	09/19/23 23:00	7440-41-7	
Cadmium	ND	mg/kg	0.35	0.049	3.9	1	09/17/23 13:43	09/19/23 23:00	7440-43-9	
Chromium	**18.7**	mg/kg	0.69	0.31	100	1	09/17/23 13:43	09/19/23 23:00	7440-47-3	
Cobalt	**7.2**	mg/kg	0.69	0.15	470	1	09/17/23 13:43	09/19/23 23:00	7440-48-4	
Copper	**13.2**	mg/kg	0.69	0.17	310	1	09/17/23 13:43	09/19/23 23:00	7440-50-8	
Lead	**10.5**	mg/kg	0.35	0.22	100	1	09/17/23 13:43	09/19/23 23:00	7439-92-1	
Nickel	**13.8**	mg/kg	2.8	2.2	160	1	09/17/23 13:43	09/19/23 23:00	7440-02-0	
Selenium	ND	mg/kg	1.4	0.41	20	1	09/17/23 13:43	09/19/23 23:00	7782-49-2	
Silver	ND	mg/kg	0.69	0.18	39	1	09/17/23 13:43	09/19/23 23:00	7440-22-4	
Thallium	**0.59**	mg/kg	0.35	0.27	.55	1	09/17/23 13:43	09/19/23 23:00	7440-28-0	
Vanadium	**34.1**	mg/kg	3.5	1.4	55	1	09/17/23 13:43	09/19/23 23:00	7440-62-2	
Zinc	**50.7**	mg/kg	3.5	1.8	2300	1	09/17/23 13:43	09/19/23 23:00	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (3-5) **Lab ID: 20289592006** Collected: 09/15/23 14:37 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.034**	mg/kg	0.015	0.0098		1	09/17/23 15:51	09/20/23 14:41	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 20:42	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 20:42	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 20:42	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 20:42	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 20:42	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 20:42	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 20:42	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 20:42	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 20:42	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 20:42	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 20:42	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 20:42	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 20:42	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 20:42	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 20:42	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 20:42	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 20:42	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 20:42	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 20:42	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 20:42	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 20:42	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 20:42	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 20:42	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 20:42	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 20:42	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 20:42	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 20:42	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 20:42	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 20:42	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 20:42	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 20:42	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 20:42	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 20:42	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 20:42	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 20:42	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 20:42	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 20:42	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 20:42	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (3-5) **Lab ID: 20289592006** Collected: 09/15/23 14:37 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 20:42	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 20:42	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 20:42	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 20:42	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 20:42	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 20:42	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 20:42	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 20:42	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 20:42	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 20:42	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 20:42	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 20:42	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 20:42	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 20:42	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 20:42	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 20:42	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 20:42	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 20:42	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 17:43	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 17:43	88-85-7	
Surrogates										
2-Fluorophenol (S)	56.2	%	12.0-120			1	09/23/23 08:33	09/23/23 20:42	367-12-4	
Phenol-d5 (S)	51.1	%	10.0-120			1	09/23/23 08:33	09/23/23 20:42	4165-62-2	
Nitrobenzene-d5 (S)	45.1	%	10.0-122			1	09/23/23 08:33	09/23/23 20:42	4165-60-0	
2-Fluorobiphenyl (S)	51.2	%	15.0-120			1	09/23/23 08:33	09/23/23 20:42	321-60-8	
2,4,6-Tribromophenol (S)	44.4	%	10.0-127			1	09/23/23 08:33	09/23/23 20:42	118-79-6	
Terphenyl-d14 (S)	58.5	%	10.0-120			1	09/23/23 08:33	09/23/23 20:42	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.029**	mg/kg	0.011	0.0048	1.5	1	09/26/23 11:00	09/26/23 17:28	67-64-1	
Benzene	ND	mg/kg	0.0054	0.0015	.051	1	09/26/23 11:00	09/26/23 17:28	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0054	0.0016	.92	1	09/26/23 11:00	09/26/23 17:28	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0018	1.8	1	09/26/23 11:00	09/26/23 17:28	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0015	.04	1	09/26/23 11:00	09/26/23 17:28	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.011	0.0032	5	1	09/26/23 11:00	09/26/23 17:28	78-93-3	
Carbon disulfide	ND	mg/kg	0.0054	0.0016	11	1	09/26/23 11:00	09/26/23 17:28	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0012	.11	1	09/26/23 11:00	09/26/23 17:28	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0016	3	1	09/26/23 11:00	09/26/23 17:28	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (3-5) **Lab ID: 20289592006** Collected: 09/15/23 14:37 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0054	0.0013	.035	1	09/26/23 11:00	09/26/23 17:28	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0015	.044	1	09/26/23 11:00	09/26/23 17:28	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0013	.1	1	09/26/23 11:00	09/26/23 17:28	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0054	0.0020	.01	1	09/26/23 11:00	09/26/23 17:28	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0054	0.0017	1	1	09/26/23 11:00	09/26/23 17:28	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0016	7.5	1	09/26/23 11:00	09/26/23 17:28	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0016	.035	1	09/26/23 11:00	09/26/23 17:28	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0015	.085	1	09/26/23 11:00	09/26/23 17:28	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0015	.49	1	09/26/23 11:00	09/26/23 17:28	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0014	.77	1	09/26/23 11:00	09/26/23 17:28	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0017	.042	1	09/26/23 11:00	09/26/23 17:28	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0016	.04	1	09/26/23 11:00	09/26/23 17:28	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0017	.04	1	09/26/23 11:00	09/26/23 17:28	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0015	19	1	09/26/23 11:00	09/26/23 17:28	100-41-4	
Isobutanol	ND	mg/kg	0.27	0.040	30	1	09/26/23 11:00	09/26/23 17:28	78-83-1	
Methylene Chloride	ND	mg/kg	0.0054	0.0050	.017	1	09/26/23 11:00	09/26/23 17:28	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.011	0.0020	6.4	1	09/26/23 11:00	09/26/23 17:28	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0016	.077	1	09/26/23 11:00	09/26/23 17:28	1634-04-4	
Styrene	ND	mg/kg	0.0054	0.0018	11	1	09/26/23 11:00	09/26/23 17:28	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0016	.046	1	09/26/23 11:00	09/26/23 17:28	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0021	.006	1	09/26/23 11:00	09/26/23 17:28	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0054	0.0016	.18	1	09/26/23 11:00	09/26/23 17:28	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0023	20	1	09/26/23 11:00	09/26/23 17:28	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0016	14	1	09/26/23 11:00	09/26/23 17:28	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0014	4	1	09/26/23 11:00	09/26/23 17:28	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0016	.058	1	09/26/23 11:00	09/26/23 17:28	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0016	.073	1	09/26/23 11:00	09/26/23 17:28	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0013	37	1	09/26/23 11:00	09/26/23 17:28	75-69-4	
Vinyl chloride	ND	mg/kg	0.0022	0.0012	.013	1	09/26/23 11:00	09/26/23 17:28	75-01-4	
m&p-Xylene	ND	mg/kg	0.011	0.0035	18	1	09/26/23 11:00	09/26/23 17:28	179601-23-1	
o-Xylene	ND	mg/kg	0.0054	0.0017	18	1	09/26/23 11:00	09/26/23 17:28	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/26/23 11:00	09/26/23 17:28	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/26/23 11:00	09/26/23 17:28	460-00-4	
Dibromofluoromethane (S)	87	%.	66-143			1	09/26/23 11:00	09/26/23 17:28	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (5-7) **Lab ID: 20289592007** Collected: 09/15/23 14:26 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 13:36		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 13:36		
Aliphatic (>C16-C35)	**2.63J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 13:36	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:49		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:49		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:49		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:49		
Surrogates										
o-Terphenyl (S)	53.7	%	40.0-140			1	09/22/23 05:48	09/26/23 18:49	84-15-1	
1-Chloro-octadecane (S)	63.2	%	40.0-140			1	09/22/23 05:48	09/26/23 13:36		
2-Fluorobiphenyl (S)	99.8	%	40.0-140			1	09/22/23 05:48	09/26/23 18:49	321-60-8	
2-Bromonaphthalene (S)	99.8	%	40.0-140			1	09/22/23 05:48	09/26/23 18:49	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4140	1750	1200000	1	09/25/23 08:15	09/25/23 14:12		
Aliphatic (>C08-C10)	ND	ug/kg	3410	2030	120000	1	09/25/23 08:15	09/25/23 14:12		
Aromatic (>C08-C10)	ND	ug/kg	3410	1400	65000	1	09/25/23 08:15	09/25/23 14:12		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1	09/25/23 08:15	09/25/23 14:12	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.0	0.30	3.1	1	09/17/23 13:43	09/19/23 23:04	7440-36-0	
Arsenic	**7.3**	mg/kg	0.66	0.32	12	1	09/17/23 13:43	09/19/23 23:04	7440-38-2	
Barium	**175**	mg/kg	13.2	0.64	550	1	09/17/23 13:43	09/19/23 23:04	7440-39-3	
Beryllium	**0.68**	mg/kg	0.33	0.048	8	1	09/17/23 13:43	09/19/23 23:04	7440-41-7	
Cadmium	ND	mg/kg	0.33	0.047	3.9	1	09/17/23 13:43	09/19/23 23:04	7440-43-9	
Chromium	**16.0**	mg/kg	0.66	0.30	100	1	09/17/23 13:43	09/19/23 23:04	7440-47-3	
Cobalt	**7.9**	mg/kg	0.66	0.14	470	1	09/17/23 13:43	09/19/23 23:04	7440-48-4	
Copper	**16.5**	mg/kg	0.66	0.16	310	1	09/17/23 13:43	09/19/23 23:04	7440-50-8	
Lead	**10.8**	mg/kg	0.33	0.21	100	1	09/17/23 13:43	09/19/23 23:04	7439-92-1	
Nickel	**15.0**	mg/kg	2.6	2.1	160	1	09/17/23 13:43	09/19/23 23:04	7440-02-0	
Selenium	**0.53J**	mg/kg	1.3	0.39	20	1	09/17/23 13:43	09/19/23 23:04	7782-49-2	
Silver	ND	mg/kg	0.66	0.17	39	1	09/17/23 13:43	09/19/23 23:04	7440-22-4	
Thallium	**0.39**	mg/kg	0.33	0.25	.55	1	09/17/23 13:43	09/19/23 23:04	7440-28-0	
Vanadium	**30.7**	mg/kg	3.3	1.3	55	1	09/17/23 13:43	09/19/23 23:04	7440-62-2	
Zinc	**48.6**	mg/kg	3.3	1.7	2300	1	09/17/23 13:43	09/19/23 23:04	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (5-7) **Lab ID: 20289592007** Collected: 09/15/23 14:26 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.025**	mg/kg	0.014	0.0089		1	09/17/23 15:51	09/20/23 14:43	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 19:36	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 19:36	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 19:36	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 19:36	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 19:36	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 19:36	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 19:36	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 19:36	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 19:36	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:36	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 19:36	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 19:36	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 19:36	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 19:36	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 19:36	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 19:36	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 19:36	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 19:36	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 19:36	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 19:36	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 19:36	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 19:36	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 19:36	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 19:36	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 19:36	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 19:36	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 19:36	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 19:36	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 19:36	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 19:36	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 19:36	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 19:36	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 19:36	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 19:36	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 19:36	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 19:36	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 19:36	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 19:36	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (5-7) **Lab ID: 20289592007** Collected: 09/15/23 14:26 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 19:36	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 19:36	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 19:36	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:36	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 19:36	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 19:36	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 19:36	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 19:36	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:36	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 19:36	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 19:36	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 19:36	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 19:36	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 19:36	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 19:36	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 19:36	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 19:36	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 19:36	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 16:50	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 16:50	88-85-7	
Surrogates										
2-Fluorophenol (S)	56.2	%	12.0-120			1	09/23/23 08:33	09/23/23 19:36	367-12-4	
Phenol-d5 (S)	50.6	%	10.0-120			1	09/23/23 08:33	09/23/23 19:36	4165-62-2	
Nitrobenzene-d5 (S)	44.3	%	10.0-122			1	09/23/23 08:33	09/23/23 19:36	4165-60-0	
2-Fluorobiphenyl (S)	49.2	%	15.0-120			1	09/23/23 08:33	09/23/23 19:36	321-60-8	
2,4,6-Tribromophenol (S)	43.0	%	10.0-127			1	09/23/23 08:33	09/23/23 19:36	118-79-6	
Terphenyl-d14 (S)	56.3	%	10.0-120			1	09/23/23 08:33	09/23/23 19:36	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.021**	mg/kg	0.0099	0.0044	1.5	1	09/26/23 11:00	09/26/23 17:47	67-64-1	
Benzene	ND	mg/kg	0.0050	0.0014	.051	1	09/26/23 11:00	09/26/23 17:47	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0050	0.0015	.92	1	09/26/23 11:00	09/26/23 17:47	75-27-4	
Bromoform	ND	mg/kg	0.0050	0.0016	1.8	1	09/26/23 11:00	09/26/23 17:47	75-25-2	
Bromomethane	ND	mg/kg	0.0050	0.0014	.04	1	09/26/23 11:00	09/26/23 17:47	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0099	0.0029	5	1	09/26/23 11:00	09/26/23 17:47	78-93-3	
Carbon disulfide	ND	mg/kg	0.0050	0.0015	11	1	09/26/23 11:00	09/26/23 17:47	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	.11	1	09/26/23 11:00	09/26/23 17:47	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	0.0015	3	1	09/26/23 11:00	09/26/23 17:47	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (5-7) **Lab ID: 20289592007** Collected: 09/15/23 14:26 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0050	0.0012	.035	1	09/26/23 11:00	09/26/23 17:47	75-00-3	
Chloroform	ND	mg/kg	0.0050	0.0014	.044	1	09/26/23 11:00	09/26/23 17:47	67-66-3	
Chloromethane	ND	mg/kg	0.0050	0.0012	.1	1	09/26/23 11:00	09/26/23 17:47	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0018	.01	1	09/26/23 11:00	09/26/23 17:47	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0050	0.0016	1	1	09/26/23 11:00	09/26/23 17:47	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0015	7.5	1	09/26/23 11:00	09/26/23 17:47	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0015	.035	1	09/26/23 11:00	09/26/23 17:47	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0014	.085	1	09/26/23 11:00	09/26/23 17:47	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	.49	1	09/26/23 11:00	09/26/23 17:47	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	.77	1	09/26/23 11:00	09/26/23 17:47	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0015	.042	1	09/26/23 11:00	09/26/23 17:47	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0015	.04	1	09/26/23 11:00	09/26/23 17:47	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0016	.04	1	09/26/23 11:00	09/26/23 17:47	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	0.0014	19	1	09/26/23 11:00	09/26/23 17:47	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.036	30	1	09/26/23 11:00	09/26/23 17:47	78-83-1	
Methylene Chloride	ND	mg/kg	0.0050	0.0046	.017	1	09/26/23 11:00	09/26/23 17:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0099	0.0019	6.4	1	09/26/23 11:00	09/26/23 17:47	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	0.0014	.077	1	09/26/23 11:00	09/26/23 17:47	1634-04-4	
Styrene	ND	mg/kg	0.0050	0.0016	11	1	09/26/23 11:00	09/26/23 17:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0015	.046	1	09/26/23 11:00	09/26/23 17:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0019	.006	1	09/26/23 11:00	09/26/23 17:47	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	0.0014	.18	1	09/26/23 11:00	09/26/23 17:47	127-18-4	
Toluene	ND	mg/kg	0.0050	0.0021	20	1	09/26/23 11:00	09/26/23 17:47	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	14	1	09/26/23 11:00	09/26/23 17:47	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0012	4	1	09/26/23 11:00	09/26/23 17:47	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0015	.058	1	09/26/23 11:00	09/26/23 17:47	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	0.0014	.073	1	09/26/23 11:00	09/26/23 17:47	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0012	37	1	09/26/23 11:00	09/26/23 17:47	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/26/23 11:00	09/26/23 17:47	75-01-4	
m&p-Xylene	ND	mg/kg	0.0099	0.0032	18	1	09/26/23 11:00	09/26/23 17:47	179601-23-1	
o-Xylene	ND	mg/kg	0.0050	0.0016	18	1	09/26/23 11:00	09/26/23 17:47	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/26/23 11:00	09/26/23 17:47	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	64-139			1	09/26/23 11:00	09/26/23 17:47	460-00-4	
Dibromofluoromethane (S)	86	%.	66-143			1	09/26/23 11:00	09/26/23 17:47	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (14-16) **Lab ID: 20289592008** Collected: 09/15/23 14:16 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 13:58		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 13:58		
Aliphatic (>C16-C35)	**2.22J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 13:58	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:27		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:27		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:27		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:27		
Surrogates										
o-Terphenyl (S)	76.0	%	40.0-140			1	09/22/23 05:48	09/26/23 18:27	84-15-1	
1-Chloro-octadecane (S)	77.3	%	40.0-140			1	09/22/23 05:48	09/26/23 13:58		
2-Fluorobiphenyl (S)	101	%	40.0-140			1	09/22/23 05:48	09/26/23 18:27	321-60-8	
2-Bromonaphthalene (S)	100	%	40.0-140			1	09/22/23 05:48	09/26/23 18:27	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4200	1780	1200000	1	09/25/23 08:15	09/25/23 14:35		
Aliphatic (>C08-C10)	ND	ug/kg	3460	2060	120000	1	09/25/23 08:15	09/25/23 14:35		
Aromatic (>C08-C10)	ND	ug/kg	3460	1420	65000	1	09/25/23 08:15	09/25/23 14:35		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/25/23 08:15	09/25/23 14:35	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.5	0.38	3.1	1	09/17/23 13:43	09/19/23 23:08	7440-36-0	
Arsenic	**2.4**	mg/kg	0.85	0.41	12	1	09/17/23 13:43	09/19/23 23:08	7440-38-2	
Barium	**80.2**	mg/kg	16.9	0.83	550	1	09/17/23 13:43	09/19/23 23:08	7440-39-3	
Beryllium	**0.28J**	mg/kg	0.42	0.062	8	1	09/17/23 13:43	09/19/23 23:08	7440-41-7	
Cadmium	ND	mg/kg	0.42	0.060	3.9	1	09/17/23 13:43	09/19/23 23:08	7440-43-9	
Chromium	**8.3**	mg/kg	0.85	0.38	100	1	09/17/23 13:43	09/19/23 23:08	7440-47-3	
Cobalt	**4.4**	mg/kg	0.85	0.18	470	1	09/17/23 13:43	09/19/23 23:08	7440-48-4	
Copper	**7.2**	mg/kg	0.85	0.20	310	1	09/17/23 13:43	09/19/23 23:08	7440-50-8	
Lead	**5.4**	mg/kg	0.42	0.27	100	1	09/17/23 13:43	09/19/23 23:08	7439-92-1	
Nickel	**10**	mg/kg	3.4	2.7	160	1	09/17/23 13:43	09/19/23 23:08	7440-02-0	
Selenium	ND	mg/kg	1.7	0.50	20	1	09/17/23 13:43	09/19/23 23:08	7782-49-2	
Silver	ND	mg/kg	0.85	0.22	39	1	09/17/23 13:43	09/19/23 23:08	7440-22-4	
Thallium	ND	mg/kg	0.42	0.33	.55	1	09/17/23 13:43	09/19/23 23:08	7440-28-0	
Vanadium	**16.4**	mg/kg	4.2	1.7	55	1	09/17/23 13:43	09/19/23 23:08	7440-62-2	
Zinc	**28.7**	mg/kg	4.2	2.2	2300	1	09/17/23 13:43	09/19/23 23:08	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (14-16) **Lab ID: 20289592008** Collected: 09/15/23 14:16 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.014**	mg/kg	0.014	0.0093		1	09/17/23 15:51	09/20/23 14:45	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 22:54	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 22:54	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 22:54	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 22:54	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 22:54	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 22:54	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 22:54	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 22:54	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 22:54	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:54	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 22:54	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 22:54	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 22:54	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 22:54	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 22:54	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 22:54	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 22:54	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 22:54	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 22:54	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 22:54	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 22:54	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 22:54	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 22:54	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 22:54	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 22:54	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 22:54	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 22:54	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 22:54	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 22:54	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 22:54	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 22:54	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 22:54	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 22:54	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 22:54	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 22:54	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 22:54	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 22:54	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 22:54	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (14-16) **Lab ID: 20289592008** Collected: 09/15/23 14:16 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 22:54	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 22:54	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 22:54	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:54	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 22:54	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 22:54	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 22:54	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 22:54	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:54	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 22:54	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 22:54	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 22:54	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 22:54	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 22:54	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 22:54	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 22:54	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 22:54	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 22:54	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 19:52	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 19:52	88-85-7	
Surrogates										
2-Fluorophenol (S)	59.4	%	12.0-120			1	09/23/23 08:33	09/23/23 22:54	367-12-4	
Phenol-d5 (S)	54.5	%	10.0-120			1	09/23/23 08:33	09/23/23 22:54	4165-62-2	
Nitrobenzene-d5 (S)	48.2	%	10.0-122			1	09/23/23 08:33	09/23/23 22:54	4165-60-0	
2-Fluorobiphenyl (S)	52.4	%	15.0-120			1	09/23/23 08:33	09/23/23 22:54	321-60-8	
2,4,6-Tribromophenol (S)	47.9	%	10.0-127			1	09/23/23 08:33	09/23/23 22:54	118-79-6	
Terphenyl-d14 (S)	57.8	%	10.0-120			1	09/23/23 08:33	09/23/23 22:54	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0063J**	mg/kg	0.010	0.0045	1.5	1	09/26/23 11:00	09/26/23 18:06	67-64-1	
Benzene	ND	mg/kg	0.0051	0.0014	.051	1	09/26/23 11:00	09/26/23 18:06	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0051	0.0015	.92	1	09/26/23 11:00	09/26/23 18:06	75-27-4	
Bromoform	ND	mg/kg	0.0051	0.0017	1.8	1	09/26/23 11:00	09/26/23 18:06	75-25-2	
Bromomethane	ND	mg/kg	0.0051	0.0014	.04	1	09/26/23 11:00	09/26/23 18:06	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.010	0.0030	5	1	09/26/23 11:00	09/26/23 18:06	78-93-3	
Carbon disulfide	ND	mg/kg	0.0051	0.0015	11	1	09/26/23 11:00	09/26/23 18:06	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0051	0.0011	.11	1	09/26/23 11:00	09/26/23 18:06	56-23-5	
Chlorobenzene	ND	mg/kg	0.0051	0.0015	3	1	09/26/23 11:00	09/26/23 18:06	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-2 (14-16) **Lab ID: 20289592008** Collected: 09/15/23 14:16 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0051	0.0013	.035	1	09/26/23 11:00	09/26/23 18:06	75-00-3	
Chloroform	ND	mg/kg	0.0051	0.0014	.044	1	09/26/23 11:00	09/26/23 18:06	67-66-3	
Chloromethane	ND	mg/kg	0.0051	0.0012	.1	1	09/26/23 11:00	09/26/23 18:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0051	0.0018	.01	1	09/26/23 11:00	09/26/23 18:06	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0051	0.0016	1	1	09/26/23 11:00	09/26/23 18:06	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0051	0.0015	7.5	1	09/26/23 11:00	09/26/23 18:06	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0051	0.0015	.035	1	09/26/23 11:00	09/26/23 18:06	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0051	0.0014	.085	1	09/26/23 11:00	09/26/23 18:06	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0014	.49	1	09/26/23 11:00	09/26/23 18:06	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0051	0.0013	.77	1	09/26/23 11:00	09/26/23 18:06	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0051	0.0015	.042	1	09/26/23 11:00	09/26/23 18:06	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0015	.04	1	09/26/23 11:00	09/26/23 18:06	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0051	0.0016	.04	1	09/26/23 11:00	09/26/23 18:06	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0051	0.0014	19	1	09/26/23 11:00	09/26/23 18:06	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.037	30	1	09/26/23 11:00	09/26/23 18:06	78-83-1	
Methylene Chloride	ND	mg/kg	0.0051	0.0047	.017	1	09/26/23 11:00	09/26/23 18:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.010	0.0019	6.4	1	09/26/23 11:00	09/26/23 18:06	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0051	0.0014	.077	1	09/26/23 11:00	09/26/23 18:06	1634-04-4	
Styrene	ND	mg/kg	0.0051	0.0016	11	1	09/26/23 11:00	09/26/23 18:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0015	.046	1	09/26/23 11:00	09/26/23 18:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0051	0.0019	.006	1	09/26/23 11:00	09/26/23 18:06	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0051	0.0015	.18	1	09/26/23 11:00	09/26/23 18:06	127-18-4	
Toluene	ND	mg/kg	0.0051	0.0021	20	1	09/26/23 11:00	09/26/23 18:06	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0051	0.0015	14	1	09/26/23 11:00	09/26/23 18:06	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0051	0.0013	4	1	09/26/23 11:00	09/26/23 18:06	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0051	0.0015	.058	1	09/26/23 11:00	09/26/23 18:06	79-00-5	
Trichloroethene	ND	mg/kg	0.0051	0.0015	.073	1	09/26/23 11:00	09/26/23 18:06	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0051	0.0012	37	1	09/26/23 11:00	09/26/23 18:06	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/26/23 11:00	09/26/23 18:06	75-01-4	
m&p-Xylene	ND	mg/kg	0.010	0.0033	18	1	09/26/23 11:00	09/26/23 18:06	179601-23-1	
o-Xylene	ND	mg/kg	0.0051	0.0016	18	1	09/26/23 11:00	09/26/23 18:06	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/26/23 11:00	09/26/23 18:06	2037-26-5	
4-Bromofluorobenzene (S)	95	%.	64-139			1	09/26/23 11:00	09/26/23 18:06	460-00-4	
Dibromofluoromethane (S)	87	%.	66-143			1	09/26/23 11:00	09/26/23 18:06	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-19 (0-4) **Lab ID: 20289592009** Collected: 09/15/23 11:14 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 14:21		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 14:21		
Aliphatic (>C16-C35)	**14.4J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 14:21	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:18		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:18		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:18		
Aromatic (>C21-C35)	**3.25J**	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:18		J
Surrogates										
o-Terphenyl (S)	54.3	%	40.0-140			1	09/22/23 05:48	09/26/23 20:18	84-15-1	
1-Chloro-octadecane (S)	64.5	%	40.0-140			1	09/22/23 05:48	09/26/23 14:21		
2-Fluorobiphenyl (S)	99.4	%	40.0-140			1	09/22/23 05:48	09/26/23 20:18	321-60-8	
2-Bromonaphthalene (S)	99.1	%	40.0-140			1	09/22/23 05:48	09/26/23 20:18	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**6.0**	mg/kg	0.86	0.41	12	1	09/17/23 13:43	09/20/23 17:44	7440-38-2	
Barium	**147**	mg/kg	17.2	0.84	550	1	09/17/23 13:43	09/20/23 17:44	7440-39-3	
Cadmium	ND	mg/kg	0.43	0.061	3.9	1	09/17/23 13:43	09/20/23 17:44	7440-43-9	
Chromium	**21.8**	mg/kg	0.86	0.39	100	1	09/17/23 13:43	09/20/23 17:44	7440-47-3	
Lead	**36.4**	mg/kg	0.43	0.28	100	1	09/17/23 13:43	09/20/23 17:44	7439-92-1	
Selenium	ND	mg/kg	1.7	0.51	20	1	09/17/23 13:43	09/20/23 17:44	7782-49-2	
Silver	ND	mg/kg	0.86	0.22	39	1	09/17/23 13:43	09/20/23 17:44	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.037**	mg/kg	0.015	0.0095		1	09/17/23 15:51	09/20/23 14:48	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 07:08	09/25/23 18:22	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 07:08	09/25/23 18:22	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 07:08	09/25/23 18:22	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 07:08	09/25/23 18:22	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 07:08	09/25/23 18:22	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 07:08	09/25/23 18:22	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 07:08	09/25/23 18:22	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 07:08	09/25/23 18:22	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 07:08	09/25/23 18:22	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 07:08	09/25/23 18:22	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 07:08	09/25/23 18:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 07:08	09/25/23 18:22	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-19 (0-4) **Lab ID: 20289592009** Collected: 09/15/23 11:14 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Naphthalene	**0.0119J**	mg/kg	0.0200	0.00408		1	09/25/23 07:08	09/25/23 18:22	91-20-3	J
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 07:08	09/25/23 18:22	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 07:08	09/25/23 18:22	129-00-0	
2-Methylnaphthalene	**0.0164J**	mg/kg	0.0200	0.00427		1	09/25/23 07:08	09/25/23 18:22	91-57-6	J
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 07:08	09/25/23 18:22	91-58-7	
Surrogates										
Terphenyl-d14 (S)	83.4	%	23.0-120			1	09/25/23 07:08	09/25/23 18:22	1718-51-0	
Nitrobenzene-d5 (S)	89.0	%	14.0-149			1	09/25/23 07:08	09/25/23 18:22	4165-60-0	
2-Fluorobiphenyl (S)	86.5	%	34.0-125			1	09/25/23 07:08	09/25/23 18:22	321-60-8	

Sample: B-19 (5-7) **Lab ID: 20289592010** Collected: 09/15/23 11:03 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 15:28		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 15:28		
Aliphatic (>C16-C35)	**2.33J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 15:28	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 17:20		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 17:20		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 17:20		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 17:20		
Surrogates										
o-Terphenyl (S)	68.8	%	40.0-140			1	09/22/23 05:48	09/26/23 17:20	84-15-1	
1-Chloro-octadecane (S)	80.0	%	40.0-140			1	09/22/23 05:48	09/26/23 15:28		
2-Fluorobiphenyl (S)	102	%	40.0-140			1	09/22/23 05:48	09/26/23 17:20	321-60-8	
2-Bromonaphthalene (S)	102	%	40.0-140			1	09/22/23 05:48	09/26/23 17:20	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**1.5**	mg/kg	0.89	0.43	12	1	09/17/23 13:43	09/20/23 17:48	7440-38-2	
Barium	**147**	mg/kg	17.9	0.88	550	1	09/17/23 13:43	09/20/23 17:48	7440-39-3	M1
Cadmium	ND	mg/kg	0.45	0.063	3.9	1	09/17/23 13:43	09/20/23 17:48	7440-43-9	
Chromium	**13.4**	mg/kg	0.89	0.40	100	1	09/17/23 13:43	09/20/23 17:48	7440-47-3	
Lead	**8.2**	mg/kg	0.45	0.29	100	1	09/17/23 13:43	09/20/23 17:48	7439-92-1	
Selenium	ND	mg/kg	1.8	0.52	20	1	09/17/23 13:43	09/20/23 17:48	7782-49-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-19 (5-7) **Lab ID: 20289592010** Collected: 09/15/23 11:03 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050								
		Pace Analytical Services - New Orleans								
Silver	ND	mg/kg	0.89	0.23	39	1	09/17/23 13:43	09/20/23 17:48	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471								
		Pace Analytical Services - New Orleans								
Mercury	**0.023**	mg/kg	0.013	0.0087		1	09/17/23 15:51	09/20/23 14:51	7439-97-6	
SVOA (GC/MS) 8270E-SIM		Analytical Method: EPA 8270E by SIM Preparation Method: 3546								
		Pace National - Mt. Juliet								
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 07:08	09/25/23 14:51	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 07:08	09/25/23 14:51	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 07:08	09/25/23 14:51	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 07:08	09/25/23 14:51	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 07:08	09/25/23 14:51	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 07:08	09/25/23 14:51	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 07:08	09/25/23 14:51	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 07:08	09/25/23 14:51	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 07:08	09/25/23 14:51	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 07:08	09/25/23 14:51	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 07:08	09/25/23 14:51	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 07:08	09/25/23 14:51	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 07:08	09/25/23 14:51	91-20-3	R1
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 07:08	09/25/23 14:51	85-01-8	R1
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 07:08	09/25/23 14:51	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 07:08	09/25/23 14:51	91-57-6	R1
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 07:08	09/25/23 14:51	91-58-7	
Surrogates										
Terphenyl-d14 (S)	69.2	%	23.0-120			1	09/25/23 07:08	09/25/23 14:51	1718-51-0	
Nitrobenzene-d5 (S)	70.1	%	14.0-149			1	09/25/23 07:08	09/25/23 14:51	4165-60-0	
2-Fluorobiphenyl (S)	68.4	%	34.0-125			1	09/25/23 07:08	09/25/23 14:51	321-60-8	

Sample: B-19 (14-16) **Lab ID: 20289592011** Collected: 09/15/23 10:59 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH		Analytical Method: EPH Preparation Method: MA DEP/NJ DEP								
		Pace National - Mt. Juliet								
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 14:43		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 14:43		
Aliphatic (>C16-C35)	**2.56J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 14:43	TPHC16C35	B,J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-19 (14-16) **Lab ID: 20289592011** Collected: 09/15/23 10:59 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:04		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:04		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:04		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 18:04		
Surrogates										
o-Terphenyl (S)	71.0	%	40.0-140			1	09/22/23 05:48	09/26/23 18:04	84-15-1	
1-Chloro-octadecane (S)	78.4	%	40.0-140			1	09/22/23 05:48	09/26/23 14:43		
2-Fluorobiphenyl (S)	99.6	%	40.0-140			1	09/22/23 05:48	09/26/23 18:04	321-60-8	
2-Bromonaphthalene (S)	100	%	40.0-140			1	09/22/23 05:48	09/26/23 18:04	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.8**	mg/kg	0.98	0.47	12	1	09/17/23 13:43	09/20/23 18:11	7440-38-2	
Barium	**122**	mg/kg	19.6	0.96	550	1	09/17/23 13:43	09/20/23 18:11	7440-39-3	
Cadmium	ND	mg/kg	0.49	0.070	3.9	1	09/17/23 13:43	09/20/23 18:11	7440-43-9	
Chromium	**11.8**	mg/kg	0.98	0.44	100	1	09/17/23 13:43	09/20/23 18:11	7440-47-3	
Lead	**8.3**	mg/kg	0.49	0.31	100	1	09/17/23 13:43	09/20/23 18:11	7439-92-1	
Selenium	**0.88J**	mg/kg	2.0	0.58	20	1	09/17/23 13:43	09/20/23 18:11	7782-49-2	
Silver	ND	mg/kg	0.98	0.25	39	1	09/17/23 13:43	09/20/23 18:11	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.023**	mg/kg	0.017	0.011		1	09/17/23 15:51	09/20/23 15:03	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 07:08	09/25/23 15:44	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 07:08	09/25/23 15:44	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 07:08	09/25/23 15:44	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 07:08	09/25/23 15:44	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 07:08	09/25/23 15:44	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 07:08	09/25/23 15:44	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 07:08	09/25/23 15:44	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 07:08	09/25/23 15:44	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 07:08	09/25/23 15:44	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 07:08	09/25/23 15:44	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 07:08	09/25/23 15:44	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 07:08	09/25/23 15:44	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 07:08	09/25/23 15:44	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 07:08	09/25/23 15:44	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 07:08	09/25/23 15:44	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-19 (14-16) **Lab ID: 20289592011** Collected: 09/15/23 10:59 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 07:08	09/25/23 15:44	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 07:08	09/25/23 15:44	91-58-7	
Surrogates										
Terphenyl-d14 (S)	77.0	%	23.0-120			1	09/25/23 07:08	09/25/23 15:44	1718-51-0	
Nitrobenzene-d5 (S)	81.0	%	14.0-149			1	09/25/23 07:08	09/25/23 15:44	4165-60-0	
2-Fluorobiphenyl (S)	74.8	%	34.0-125			1	09/25/23 07:08	09/25/23 15:44	321-60-8	

Sample: B-18 (0-2) **Lab ID: 20289592012** Collected: 09/15/23 11:57 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 15:05		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 15:05		
Aliphatic (>C16-C35)	**2.81J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 15:05	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/27/23 17:58		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/27/23 17:58		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/27/23 17:58		
Aromatic (>C21-C35)	**2.13J**	mg/kg	25.0	2.12		1	09/22/23 05:48	09/27/23 17:58		J
Surrogates										
o-Terphenyl (S)	41.3	%	40.0-140			1	09/22/23 05:48	09/27/23 17:58	84-15-1	
1-Chloro-octadecane (S)	44.8	%	40.0-140			1	09/22/23 05:48	09/26/23 15:05		
2-Fluorobiphenyl (S)	113	%	40.0-140			1	09/22/23 05:48	09/27/23 17:58	321-60-8	
2-Bromonaphthalene (S)	113	%	40.0-140			1	09/22/23 05:48	09/27/23 17:58	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4180	1770	1200000	1	09/25/23 08:15	09/25/23 14:58		
Aliphatic (>C08-C10)	ND	ug/kg	3440	2050	120000	1	09/25/23 08:15	09/25/23 14:58		
Aromatic (>C08-C10)	ND	ug/kg	3440	1410	65000	1	09/25/23 08:15	09/25/23 14:58		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1	09/25/23 08:15	09/25/23 14:58	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.5	0.38	3.1	1	09/17/23 13:43	09/20/23 18:15	7440-36-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (0-2) **Lab ID: 20289592012** Collected: 09/15/23 11:57 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.5**	mg/kg	0.85	0.41	12	1	09/17/23 13:43	09/20/23 18:15	7440-38-2	
Barium	**171**	mg/kg	16.9	0.83	550	1	09/17/23 13:43	09/20/23 18:15	7440-39-3	
Beryllium	**0.57**	mg/kg	0.42	0.062	8	1	09/17/23 13:43	09/20/23 18:15	7440-41-7	
Cadmium	ND	mg/kg	0.42	0.060	3.9	1	09/17/23 13:43	09/20/23 18:15	7440-43-9	
Chromium	**15.9**	mg/kg	0.85	0.38	100	1	09/17/23 13:43	09/20/23 18:15	7440-47-3	
Cobalt	**7.8**	mg/kg	0.85	0.18	470	1	09/17/23 13:43	09/20/23 18:15	7440-48-4	
Copper	**25.1**	mg/kg	0.85	0.20	310	1	09/17/23 13:43	09/20/23 18:15	7440-50-8	
Lead	**25.8**	mg/kg	0.42	0.27	100	1	09/17/23 13:43	09/20/23 18:15	7439-92-1	
Nickel	**15.4**	mg/kg	3.4	2.7	160	1	09/17/23 13:43	09/20/23 18:15	7440-02-0	
Selenium	**0.92J**	mg/kg	1.7	0.50	20	1	09/17/23 13:43	09/20/23 18:15	7782-49-2	
Silver	ND	mg/kg	0.85	0.22	39	1	09/17/23 13:43	09/20/23 18:15	7440-22-4	
Thallium	ND	mg/kg	0.42	0.33	.55	1	09/17/23 13:43	09/20/23 18:15	7440-28-0	
Vanadium	**31.5**	mg/kg	4.2	1.7	55	1	09/17/23 13:43	09/20/23 18:15	7440-62-2	
Zinc	**69.4**	mg/kg	4.2	2.2	2300	1	09/17/23 13:43	09/20/23 18:15	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.036**	mg/kg	0.014	0.0091		1	09/17/23 15:51	09/20/23 15:05	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 22:32	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 22:32	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 22:32	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 22:32	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 22:32	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 22:32	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 22:32	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 22:32	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 22:32	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:32	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 22:32	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 22:32	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 22:32	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 22:32	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 22:32	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 22:32	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 22:32	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 22:32	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 22:32	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 22:32	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 22:32	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 22:32	606-20-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (0-2) **Lab ID: 20289592012** Collected: 09/15/23 11:57 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 22:32	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 22:32	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 22:32	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 22:32	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 22:32	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 22:32	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 22:32	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 22:32	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 22:32	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 22:32	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 22:32	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 22:32	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 22:32	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 22:32	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 22:32	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 22:32	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 22:32	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 22:32	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 22:32	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:32	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 22:32	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 22:32	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 22:32	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 22:32	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 22:32	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 22:32	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 22:32	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 22:32	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 22:32	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 22:32	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 22:32	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 22:32	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 22:32	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 22:32	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 19:27	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 19:27	88-85-7	
Surrogates										
2-Fluorophenol (S)	57.3	%	12.0-120			1	09/23/23 08:33	09/23/23 22:32	367-12-4	
Phenol-d5 (S)	51.8	%	10.0-120			1	09/23/23 08:33	09/23/23 22:32	4165-62-2	
Nitrobenzene-d5 (S)	44.0	%	10.0-122			1	09/23/23 08:33	09/23/23 22:32	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (0-2) **Lab ID: 20289592012** Collected: 09/15/23 11:57 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
2-Fluorobiphenyl (S)	51.4	%	15.0-120			1	09/23/23 08:33	09/23/23 22:32	321-60-8	
2,4,6-Tribromophenol (S)	46.5	%	10.0-127			1	09/23/23 08:33	09/23/23 22:32	118-79-6	
Terphenyl-d14 (S)	50.2	%	10.0-120			1	09/23/23 08:33	09/23/23 22:32	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.063**	mg/kg	0.0099	0.0044	1.5	1	09/26/23 11:00	09/26/23 18:25	67-64-1	
Benzene	ND	mg/kg	0.0050	0.0014	.051	1	09/26/23 11:00	09/26/23 18:25	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0050	0.0015	.92	1	09/26/23 11:00	09/26/23 18:25	75-27-4	
Bromoform	ND	mg/kg	0.0050	0.0016	1.8	1	09/26/23 11:00	09/26/23 18:25	75-25-2	
Bromomethane	ND	mg/kg	0.0050	0.0014	.04	1	09/26/23 11:00	09/26/23 18:25	74-83-9	
2-Butanone (MEK)	**0.0091J**	mg/kg	0.0099	0.0029	5	1	09/26/23 11:00	09/26/23 18:25	78-93-3	
Carbon disulfide	ND	mg/kg	0.0050	0.0014	11	1	09/26/23 11:00	09/26/23 18:25	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	.11	1	09/26/23 11:00	09/26/23 18:25	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	0.0015	3	1	09/26/23 11:00	09/26/23 18:25	108-90-7	
Chloroethane	ND	mg/kg	0.0050	0.0012	.035	1	09/26/23 11:00	09/26/23 18:25	75-00-3	
Chloroform	ND	mg/kg	0.0050	0.0014	.044	1	09/26/23 11:00	09/26/23 18:25	67-66-3	
Chloromethane	ND	mg/kg	0.0050	0.0012	.1	1	09/26/23 11:00	09/26/23 18:25	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0018	.01	1	09/26/23 11:00	09/26/23 18:25	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0050	0.0016	1	1	09/26/23 11:00	09/26/23 18:25	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0015	7.5	1	09/26/23 11:00	09/26/23 18:25	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0015	.035	1	09/26/23 11:00	09/26/23 18:25	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0014	.085	1	09/26/23 11:00	09/26/23 18:25	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	.49	1	09/26/23 11:00	09/26/23 18:25	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	.77	1	09/26/23 11:00	09/26/23 18:25	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0015	.042	1	09/26/23 11:00	09/26/23 18:25	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0015	.04	1	09/26/23 11:00	09/26/23 18:25	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0016	.04	1	09/26/23 11:00	09/26/23 18:25	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	0.0014	19	1	09/26/23 11:00	09/26/23 18:25	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.036	30	1	09/26/23 11:00	09/26/23 18:25	78-83-1	
Methylene Chloride	ND	mg/kg	0.0050	0.0046	.017	1	09/26/23 11:00	09/26/23 18:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0099	0.0019	6.4	1	09/26/23 11:00	09/26/23 18:25	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	0.0014	.077	1	09/26/23 11:00	09/26/23 18:25	1634-04-4	
Styrene	ND	mg/kg	0.0050	0.0016	11	1	09/26/23 11:00	09/26/23 18:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0015	.046	1	09/26/23 11:00	09/26/23 18:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0019	.006	1	09/26/23 11:00	09/26/23 18:25	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	0.0014	.18	1	09/26/23 11:00	09/26/23 18:25	127-18-4	
Toluene	ND	mg/kg	0.0050	0.0021	20	1	09/26/23 11:00	09/26/23 18:25	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	14	1	09/26/23 11:00	09/26/23 18:25	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0012	4	1	09/26/23 11:00	09/26/23 18:25	71-55-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (0-2) **Lab ID: 20289592012** Collected: 09/15/23 11:57 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0015	.058	1	09/26/23 11:00	09/26/23 18:25	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	0.0014	.073	1	09/26/23 11:00	09/26/23 18:25	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0012	37	1	09/26/23 11:00	09/26/23 18:25	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/26/23 11:00	09/26/23 18:25	75-01-4	
m&p-Xylene	ND	mg/kg	0.0099	0.0032	18	1	09/26/23 11:00	09/26/23 18:25	179601-23-1	
o-Xylene	ND	mg/kg	0.0050	0.0015	18	1	09/26/23 11:00	09/26/23 18:25	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/26/23 11:00	09/26/23 18:25	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	64-139			1	09/26/23 11:00	09/26/23 18:25	460-00-4	
Dibromofluoromethane (S)	88	%.	66-143			1	09/26/23 11:00	09/26/23 18:25	1868-53-7	

Sample: B-18 (2-4) **Lab ID: 20289592013** Collected: 09/15/23 12:07 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 18:59		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 18:59		
Aliphatic (>C16-C35)	**3.27J**	mg/kg	100	1.68		1	09/26/23 20:41	09/29/23 18:59	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 20:51		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 20:51		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 20:51		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 20:51		
Surrogates										
o-Terphenyl (S)	50.8	%	40.0-140			1	09/26/23 20:41	09/29/23 20:51	84-15-1	
1-Chloro-octadecane (S)	59.7	%	40.0-140			1	09/26/23 20:41	09/29/23 18:59		
2-Fluorobiphenyl (S)	96.4	%	40.0-140			1	09/26/23 20:41	09/29/23 20:51	321-60-8	
2-Bromonaphthalene (S)	94.3	%	40.0-140			1	09/26/23 20:41	09/29/23 20:51	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4240	1800	1200000	1	09/25/23 08:15	09/25/23 15:20		
Aliphatic (>C08-C10)	ND	ug/kg	3490	2080	120000	1	09/25/23 08:15	09/25/23 15:20		
Aromatic (>C08-C10)	ND	ug/kg	3490	1430	65000	1	09/25/23 08:15	09/25/23 15:20		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1	09/25/23 08:15	09/25/23 15:20	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (2-4) **Lab ID: 20289592013** Collected: 09/15/23 12:07 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050								
		Pace Analytical Services - New Orleans								
Antimony	ND	mg/kg	2.3	0.35	3.1	1	09/17/23 13:43	09/20/23 18:19	7440-36-0	
Arsenic	**2.5**	mg/kg	0.77	0.37	12	1	09/17/23 13:43	09/20/23 18:19	7440-38-2	
Barium	**153**	mg/kg	15.4	0.75	550	1	09/17/23 13:43	09/20/23 18:19	7440-39-3	
Beryllium	**0.70**	mg/kg	0.38	0.056	8	1	09/17/23 13:43	09/20/23 18:19	7440-41-7	
Cadmium	ND	mg/kg	0.38	0.055	3.9	1	09/17/23 13:43	09/20/23 18:19	7440-43-9	
Chromium	**18.2**	mg/kg	0.77	0.35	100	1	09/17/23 13:43	09/20/23 18:19	7440-47-3	
Cobalt	**5.8**	mg/kg	0.77	0.16	470	1	09/17/23 13:43	09/20/23 18:19	7440-48-4	
Copper	**11.2**	mg/kg	0.77	0.18	310	1	09/17/23 13:43	09/20/23 18:19	7440-50-8	
Lead	**12.4**	mg/kg	0.38	0.25	100	1	09/17/23 13:43	09/20/23 18:19	7439-92-1	
Nickel	**13.2**	mg/kg	3.1	2.5	160	1	09/17/23 13:43	09/20/23 18:19	7440-02-0	
Selenium	**0.57J**	mg/kg	1.5	0.45	20	1	09/17/23 13:43	09/20/23 18:19	7782-49-2	
Silver	ND	mg/kg	0.77	0.20	39	1	09/17/23 13:43	09/20/23 18:19	7440-22-4	
Thallium	ND	mg/kg	0.38	0.30	.55	1	09/17/23 13:43	09/20/23 18:19	7440-28-0	
Vanadium	**35.7**	mg/kg	3.8	1.6	55	1	09/17/23 13:43	09/20/23 18:19	7440-62-2	
Zinc	**59.1**	mg/kg	3.8	2.0	2300	1	09/17/23 13:43	09/20/23 18:19	7440-66-6	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471								
		Pace Analytical Services - New Orleans								
Mercury	**0.028**	mg/kg	0.016	0.011		1	09/17/23 15:51	09/20/23 15:08	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546								
		Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 19:58	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 19:58	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 19:58	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 19:58	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 19:58	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 19:58	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 19:58	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 19:58	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 19:58	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:58	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 19:58	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 19:58	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 19:58	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 19:58	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 19:58	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 19:58	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 19:58	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 19:58	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 19:58	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 19:58	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 19:58	121-14-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (2-4) **Lab ID: 20289592013** Collected: 09/15/23 12:07 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 19:58	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 19:58	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 19:58	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 19:58	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 19:58	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 19:58	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 19:58	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 19:58	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 19:58	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 19:58	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 19:58	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 19:58	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 19:58	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 19:58	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 19:58	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 19:58	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 19:58	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 19:58	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 19:58	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 19:58	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:58	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 19:58	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 19:58	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 19:58	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 19:58	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 19:58	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 19:58	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 19:58	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 19:58	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 19:58	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 19:58	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 19:58	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 19:58	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 19:58	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 19:58	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 17:16	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 17:16	88-85-7	
Surrogates										
2-Fluorophenol (S)	68.6	%	12.0-120			1	09/23/23 08:33	09/23/23 19:58	367-12-4	
Phenol-d5 (S)	61.9	%	10.0-120			1	09/23/23 08:33	09/23/23 19:58	4165-62-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (2-4) **Lab ID: 20289592013** Collected: 09/15/23 12:07 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
Nitrobenzene-d5 (S)	52.7	%	10.0-122			1	09/23/23 08:33	09/23/23 19:58	4165-60-0	
2-Fluorobiphenyl (S)	60.6	%	15.0-120			1	09/23/23 08:33	09/23/23 19:58	321-60-8	
2,4,6-Tribromophenol (S)	53.8	%	10.0-127			1	09/23/23 08:33	09/23/23 19:58	118-79-6	
Terphenyl-d14 (S)	71.4	%	10.0-120			1	09/23/23 08:33	09/23/23 19:58	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.039**	mg/kg	0.011	0.0047	1.5	1	09/26/23 11:00	09/26/23 18:44	67-64-1	
Benzene	ND	mg/kg	0.0053	0.0015	.051	1	09/26/23 11:00	09/26/23 18:44	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0053	0.0016	.92	1	09/26/23 11:00	09/26/23 18:44	75-27-4	
Bromoform	ND	mg/kg	0.0053	0.0018	1.8	1	09/26/23 11:00	09/26/23 18:44	75-25-2	
Bromomethane	ND	mg/kg	0.0053	0.0015	.04	1	09/26/23 11:00	09/26/23 18:44	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.011	0.0031	5	1	09/26/23 11:00	09/26/23 18:44	78-93-3	
Carbon disulfide	ND	mg/kg	0.0053	0.0016	11	1	09/26/23 11:00	09/26/23 18:44	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0053	0.0011	.11	1	09/26/23 11:00	09/26/23 18:44	56-23-5	
Chlorobenzene	ND	mg/kg	0.0053	0.0016	3	1	09/26/23 11:00	09/26/23 18:44	108-90-7	
Chloroethane	ND	mg/kg	0.0053	0.0013	.035	1	09/26/23 11:00	09/26/23 18:44	75-00-3	
Chloroform	ND	mg/kg	0.0053	0.0015	.044	1	09/26/23 11:00	09/26/23 18:44	67-66-3	
Chloromethane	ND	mg/kg	0.0053	0.0013	.1	1	09/26/23 11:00	09/26/23 18:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0053	0.0019	.01	1	09/26/23 11:00	09/26/23 18:44	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0053	0.0017	1	1	09/26/23 11:00	09/26/23 18:44	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0053	0.0016	7.5	1	09/26/23 11:00	09/26/23 18:44	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0053	0.0016	.035	1	09/26/23 11:00	09/26/23 18:44	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0053	0.0015	.085	1	09/26/23 11:00	09/26/23 18:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0015	.49	1	09/26/23 11:00	09/26/23 18:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0053	0.0014	.77	1	09/26/23 11:00	09/26/23 18:44	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0053	0.0016	.042	1	09/26/23 11:00	09/26/23 18:44	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0016	.04	1	09/26/23 11:00	09/26/23 18:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0053	0.0017	.04	1	09/26/23 11:00	09/26/23 18:44	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0053	0.0015	19	1	09/26/23 11:00	09/26/23 18:44	100-41-4	
Isobutanol	ND	mg/kg	0.27	0.039	30	1	09/26/23 11:00	09/26/23 18:44	78-83-1	
Methylene Chloride	ND	mg/kg	0.0053	0.0049	.017	1	09/26/23 11:00	09/26/23 18:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.011	0.0020	6.4	1	09/26/23 11:00	09/26/23 18:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0053	0.0015	.077	1	09/26/23 11:00	09/26/23 18:44	1634-04-4	
Styrene	ND	mg/kg	0.0053	0.0017	11	1	09/26/23 11:00	09/26/23 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0016	.046	1	09/26/23 11:00	09/26/23 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0053	0.0020	.006	1	09/26/23 11:00	09/26/23 18:44	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0053	0.0015	.18	1	09/26/23 11:00	09/26/23 18:44	127-18-4	
Toluene	ND	mg/kg	0.0053	0.0023	20	1	09/26/23 11:00	09/26/23 18:44	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (2-4) **Lab ID: 20289592013** Collected: 09/15/23 12:07 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2,4-Trichlorobenzene	ND	mg/kg	0.0053	0.0016	14	1	09/26/23 11:00	09/26/23 18:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0053	0.0013	4	1	09/26/23 11:00	09/26/23 18:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0053	0.0016	.058	1	09/26/23 11:00	09/26/23 18:44	79-00-5	
Trichloroethene	ND	mg/kg	0.0053	0.0015	.073	1	09/26/23 11:00	09/26/23 18:44	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0053	0.0013	37	1	09/26/23 11:00	09/26/23 18:44	75-69-4	
Vinyl chloride	ND	mg/kg	0.0021	0.0012	.013	1	09/26/23 11:00	09/26/23 18:44	75-01-4	
m&p-Xylene	ND	mg/kg	0.011	0.0035	18	1	09/26/23 11:00	09/26/23 18:44	179601-23-1	
o-Xylene	ND	mg/kg	0.0053	0.0017	18	1	09/26/23 11:00	09/26/23 18:44	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/26/23 11:00	09/26/23 18:44	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	64-139			1	09/26/23 11:00	09/26/23 18:44	460-00-4	
Dibromofluoromethane (S)	88	%.	66-143			1	09/26/23 11:00	09/26/23 18:44	1868-53-7	

Sample: B-18 (4-6) **Lab ID: 20289592014** Collected: 09/15/23 12:00 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 19:22		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 19:22		
Aliphatic (>C16-C35)	**3.74J**	mg/kg	100	1.68		1	09/26/23 20:41	09/29/23 19:22	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:14		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:14		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:14		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:14		
Surrogates										
o-Terphenyl (S)	75.0	%	40.0-140			1	09/26/23 20:41	09/29/23 21:14	84-15-1	
1-Chloro-octadecane (S)	83.3	%	40.0-140			1	09/26/23 20:41	09/29/23 19:22		
2-Fluorobiphenyl (S)	99.6	%	40.0-140			1	09/26/23 20:41	09/29/23 21:14	321-60-8	
2-Bromonaphthalene (S)	97.7	%	40.0-140			1	09/26/23 20:41	09/29/23 21:14	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4170	1760	1200000	1	09/25/23 08:15	09/25/23 15:43		
Aliphatic (>C08-C10)	ND	ug/kg	3430	2040	120000	1	09/25/23 08:15	09/25/23 15:43		
Aromatic (>C08-C10)	ND	ug/kg	3430	1400	65000	1	09/25/23 08:15	09/25/23 15:43		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1	09/25/23 08:15	09/25/23 15:43	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (4-6) **Lab ID: 20289592014** Collected: 09/15/23 12:00 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	2.1	0.31	3.1	1	09/17/23 13:43	09/20/23 18:22	7440-36-0	
Arsenic	**5.5**	mg/kg	0.69	0.33	12	1	09/17/23 13:43	09/20/23 18:22	7440-38-2	
Barium	**206**	mg/kg	13.9	0.68	550	1	09/17/23 13:43	09/20/23 18:22	7440-39-3	
Beryllium	**0.65**	mg/kg	0.35	0.051	8	1	09/17/23 13:43	09/20/23 18:22	7440-41-7	
Cadmium	ND	mg/kg	0.35	0.049	3.9	1	09/17/23 13:43	09/20/23 18:22	7440-43-9	
Chromium	**18.5**	mg/kg	0.69	0.31	100	1	09/17/23 13:43	09/20/23 18:22	7440-47-3	
Cobalt	**8.4**	mg/kg	0.69	0.15	470	1	09/17/23 13:43	09/20/23 18:22	7440-48-4	
Copper	**13.9**	mg/kg	0.69	0.17	310	1	09/17/23 13:43	09/20/23 18:22	7440-50-8	
Lead	**11.5**	mg/kg	0.35	0.22	100	1	09/17/23 13:43	09/20/23 18:22	7439-92-1	
Nickel	**18.3**	mg/kg	2.8	2.2	160	1	09/17/23 13:43	09/20/23 18:22	7440-02-0	
Selenium	**0.87J**	mg/kg	1.4	0.41	20	1	09/17/23 13:43	09/20/23 18:22	7782-49-2	
Silver	ND	mg/kg	0.69	0.18	39	1	09/17/23 13:43	09/20/23 18:22	7440-22-4	
Thallium	ND	mg/kg	0.35	0.27	.55	1	09/17/23 13:43	09/20/23 18:22	7440-28-0	
Vanadium	**35.0**	mg/kg	3.5	1.4	55	1	09/17/23 13:43	09/20/23 18:22	7440-62-2	
Zinc	**55.4**	mg/kg	3.5	1.8	2300	1	09/17/23 13:43	09/20/23 18:22	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.030**	mg/kg	0.019	0.012		1	09/17/23 15:51	09/20/23 15:10	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/25/23 17:20	09/26/23 13:22	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/25/23 17:20	09/26/23 13:22	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/25/23 17:20	09/26/23 13:22	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/25/23 17:20	09/26/23 13:22	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/25/23 17:20	09/26/23 13:22	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/25/23 17:20	09/26/23 13:22	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/25/23 17:20	09/26/23 13:22	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/25/23 17:20	09/26/23 13:22	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/25/23 17:20	09/26/23 13:22	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/25/23 17:20	09/26/23 13:22	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/25/23 17:20	09/26/23 13:22	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/25/23 17:20	09/26/23 13:22	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/25/23 17:20	09/26/23 13:22	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/25/23 17:20	09/26/23 13:22	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/25/23 17:20	09/26/23 13:22	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/25/23 17:20	09/26/23 13:22	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/25/23 17:20	09/26/23 13:22	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/25/23 17:20	09/26/23 13:22	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/25/23 17:20	09/26/23 13:22	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/25/23 17:20	09/26/23 13:22	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/25/23 17:20	09/26/23 13:22	121-14-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (4-6) **Lab ID: 20289592014** Collected: 09/15/23 12:00 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/25/23 17:20	09/26/23 13:22	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/25/23 17:20	09/26/23 13:22	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/25/23 17:20	09/26/23 13:22	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/25/23 17:20	09/26/23 13:22	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/25/23 17:20	09/26/23 13:22	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/25/23 17:20	09/26/23 13:22	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/25/23 17:20	09/26/23 13:22	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/25/23 17:20	09/26/23 13:22	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/25/23 17:20	09/26/23 13:22	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/25/23 17:20	09/26/23 13:22	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/25/23 17:20	09/26/23 13:22	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/25/23 17:20	09/26/23 13:22	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/25/23 17:20	09/26/23 13:22	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/25/23 17:20	09/26/23 13:22	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/25/23 17:20	09/26/23 13:22	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/25/23 17:20	09/26/23 13:22	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/25/23 17:20	09/26/23 13:22	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/25/23 17:20	09/26/23 13:22	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/25/23 17:20	09/26/23 13:22	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/25/23 17:20	09/26/23 13:22	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/25/23 17:20	09/26/23 13:22	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/25/23 17:20	09/26/23 13:22	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/25/23 17:20	09/26/23 13:22	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/25/23 17:20	09/26/23 13:22	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/25/23 17:20	09/26/23 13:22	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/25/23 17:20	09/26/23 13:22	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/25/23 17:20	09/26/23 13:22	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/25/23 17:20	09/26/23 13:22	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/25/23 17:20	09/26/23 13:22	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/25/23 17:20	09/26/23 13:22	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/25/23 17:20	09/26/23 13:22	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/25/23 17:20	09/26/23 13:22	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/25/23 17:20	09/26/23 13:22	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/25/23 17:20	09/26/23 13:22	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/25/23 17:20	09/26/23 13:22	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/25/23 17:20	09/26/23 13:22	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/25/23 17:20	09/26/23 13:22	88-85-7	
Surrogates										
2-Fluorophenol (S)	63.3	%	12.0-120			1	09/25/23 17:20	09/26/23 13:22	367-12-4	
Phenol-d5 (S)	57.5	%	10.0-120			1	09/25/23 17:20	09/26/23 13:22	4165-62-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (4-6) **Lab ID: 20289592014** Collected: 09/15/23 12:00 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
Nitrobenzene-d5 (S)	50.2	%	10.0-122			1	09/25/23 17:20	09/26/23 13:22	4165-60-0	
2-Fluorobiphenyl (S)	53.2	%	15.0-120			1	09/25/23 17:20	09/26/23 13:22	321-60-8	
2,4,6-Tribromophenol (S)	41.6	%	10.0-127			1	09/25/23 17:20	09/26/23 13:22	118-79-6	
Terphenyl-d14 (S)	64.2	%	10.0-120			1	09/25/23 17:20	09/26/23 13:22	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.011**	mg/kg	0.011	0.0048	1.5	1	09/26/23 11:00	09/26/23 19:03	67-64-1	
Benzene	ND	mg/kg	0.0054	0.0015	.051	1	09/26/23 11:00	09/26/23 19:03	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0054	0.0016	.92	1	09/26/23 11:00	09/26/23 19:03	75-27-4	
Bromoform	ND	mg/kg	0.0054	0.0018	1.8	1	09/26/23 11:00	09/26/23 19:03	75-25-2	
Bromomethane	ND	mg/kg	0.0054	0.0015	.04	1	09/26/23 11:00	09/26/23 19:03	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.011	0.0032	5	1	09/26/23 11:00	09/26/23 19:03	78-93-3	
Carbon disulfide	ND	mg/kg	0.0054	0.0016	11	1	09/26/23 11:00	09/26/23 19:03	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0054	0.0012	.11	1	09/26/23 11:00	09/26/23 19:03	56-23-5	
Chlorobenzene	ND	mg/kg	0.0054	0.0016	3	1	09/26/23 11:00	09/26/23 19:03	108-90-7	
Chloroethane	ND	mg/kg	0.0054	0.0013	.035	1	09/26/23 11:00	09/26/23 19:03	75-00-3	
Chloroform	ND	mg/kg	0.0054	0.0015	.044	1	09/26/23 11:00	09/26/23 19:03	67-66-3	
Chloromethane	ND	mg/kg	0.0054	0.0013	.1	1	09/26/23 11:00	09/26/23 19:03	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0054	0.0020	.01	1	09/26/23 11:00	09/26/23 19:03	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0054	0.0017	1	1	09/26/23 11:00	09/26/23 19:03	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0054	0.0016	7.5	1	09/26/23 11:00	09/26/23 19:03	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0054	0.0016	.035	1	09/26/23 11:00	09/26/23 19:03	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0054	0.0015	.085	1	09/26/23 11:00	09/26/23 19:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0015	.49	1	09/26/23 11:00	09/26/23 19:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0054	0.0014	.77	1	09/26/23 11:00	09/26/23 19:03	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0054	0.0017	.042	1	09/26/23 11:00	09/26/23 19:03	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0016	.04	1	09/26/23 11:00	09/26/23 19:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0054	0.0017	.04	1	09/26/23 11:00	09/26/23 19:03	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0054	0.0015	19	1	09/26/23 11:00	09/26/23 19:03	100-41-4	
Isobutanol	ND	mg/kg	0.27	0.040	30	1	09/26/23 11:00	09/26/23 19:03	78-83-1	
Methylene Chloride	ND	mg/kg	0.0054	0.0050	.017	1	09/26/23 11:00	09/26/23 19:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.011	0.0020	6.4	1	09/26/23 11:00	09/26/23 19:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0054	0.0016	.077	1	09/26/23 11:00	09/26/23 19:03	1634-04-4	
Styrene	ND	mg/kg	0.0054	0.0018	11	1	09/26/23 11:00	09/26/23 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0016	.046	1	09/26/23 11:00	09/26/23 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0054	0.0021	.006	1	09/26/23 11:00	09/26/23 19:03	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0054	0.0016	.18	1	09/26/23 11:00	09/26/23 19:03	127-18-4	
Toluene	ND	mg/kg	0.0054	0.0023	20	1	09/26/23 11:00	09/26/23 19:03	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (4-6) **Lab ID: 20289592014** Collected: 09/15/23 12:00 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2,4-Trichlorobenzene	ND	mg/kg	0.0054	0.0016	14	1	09/26/23 11:00	09/26/23 19:03	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0054	0.0014	4	1	09/26/23 11:00	09/26/23 19:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0054	0.0016	.058	1	09/26/23 11:00	09/26/23 19:03	79-00-5	
Trichloroethene	ND	mg/kg	0.0054	0.0016	.073	1	09/26/23 11:00	09/26/23 19:03	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0054	0.0013	37	1	09/26/23 11:00	09/26/23 19:03	75-69-4	
Vinyl chloride	ND	mg/kg	0.0022	0.0012	.013	1	09/26/23 11:00	09/26/23 19:03	75-01-4	
m&p-Xylene	ND	mg/kg	0.011	0.0035	18	1	09/26/23 11:00	09/26/23 19:03	179601-23-1	
o-Xylene	ND	mg/kg	0.0054	0.0017	18	1	09/26/23 11:00	09/26/23 19:03	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/26/23 11:00	09/26/23 19:03	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	64-139			1	09/26/23 11:00	09/26/23 19:03	460-00-4	
Dibromofluoromethane (S)	88	%.	66-143			1	09/26/23 11:00	09/26/23 19:03	1868-53-7	

Sample: B-18 (14-16) **Lab ID: 20289592015** Collected: 09/15/23 11:51 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 19:44		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 19:44		
Aliphatic (>C16-C35)	**3.72J**	mg/kg	100	1.68		1	09/26/23 20:41	09/29/23 19:44	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:36		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:36		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:36		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:36		
Surrogates										
o-Terphenyl (S)	88.3	%	40.0-140			1	09/26/23 20:41	09/29/23 21:36	84-15-1	
1-Chloro-octadecane (S)	82.3	%	40.0-140			1	09/26/23 20:41	09/29/23 19:44		
2-Fluorobiphenyl (S)	103	%	40.0-140			1	09/26/23 20:41	09/29/23 21:36	321-60-8	
2-Bromonaphthalene (S)	102	%	40.0-140			1	09/26/23 20:41	09/29/23 21:36	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4160	1760	1200000	1	09/25/23 08:15	09/25/23 16:06		
Aliphatic (>C08-C10)	ND	ug/kg	3420	2040	120000	1	09/25/23 08:15	09/25/23 16:06		
Aromatic (>C08-C10)	ND	ug/kg	3420	1400	65000	1	09/25/23 08:15	09/25/23 16:06		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/25/23 08:15	09/25/23 16:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (14-16) **Lab ID: 20289592015** Collected: 09/15/23 11:51 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	1.9	0.28	3.1	1	09/17/23 13:43	09/20/23 18:26	7440-36-0	
Arsenic	**2.8**	mg/kg	0.62	0.30	12	1	09/17/23 13:43	09/20/23 18:26	7440-38-2	
Barium	**115**	mg/kg	12.5	0.61	550	1	09/17/23 13:43	09/20/23 18:26	7440-39-3	
Beryllium	**0.31J**	mg/kg	0.31	0.046	8	1	09/17/23 13:43	09/20/23 18:26	7440-41-7	
Cadmium	ND	mg/kg	0.31	0.044	3.9	1	09/17/23 13:43	09/20/23 18:26	7440-43-9	
Chromium	**10.6**	mg/kg	0.62	0.28	100	1	09/17/23 13:43	09/20/23 18:26	7440-47-3	
Cobalt	**5.3**	mg/kg	0.62	0.13	470	1	09/17/23 13:43	09/20/23 18:26	7440-48-4	
Copper	**9.3**	mg/kg	0.62	0.15	310	1	09/17/23 13:43	09/20/23 18:26	7440-50-8	
Lead	**6.8**	mg/kg	0.31	0.20	100	1	09/17/23 13:43	09/20/23 18:26	7439-92-1	
Nickel	**11.6**	mg/kg	2.5	2.0	160	1	09/17/23 13:43	09/20/23 18:26	7440-02-0	
Selenium	**0.65J**	mg/kg	1.2	0.37	20	1	09/17/23 13:43	09/20/23 18:26	7782-49-2	
Silver	ND	mg/kg	0.62	0.16	39	1	09/17/23 13:43	09/20/23 18:26	7440-22-4	
Thallium	ND	mg/kg	0.31	0.24	.55	1	09/17/23 13:43	09/20/23 18:26	7440-28-0	
Vanadium	**19.1**	mg/kg	3.1	1.3	55	1	09/17/23 13:43	09/20/23 18:26	7440-62-2	
Zinc	**33.9**	mg/kg	3.1	1.6	2300	1	09/17/23 13:43	09/20/23 18:26	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.017**	mg/kg	0.016	0.011		1	09/17/23 15:51	09/20/23 15:12	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/25/23 17:20	09/26/23 13:45	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/25/23 17:20	09/26/23 13:45	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/25/23 17:20	09/26/23 13:45	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/25/23 17:20	09/26/23 13:45	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/25/23 17:20	09/26/23 13:45	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/25/23 17:20	09/26/23 13:45	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/25/23 17:20	09/26/23 13:45	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/25/23 17:20	09/26/23 13:45	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/25/23 17:20	09/26/23 13:45	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/25/23 17:20	09/26/23 13:45	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/25/23 17:20	09/26/23 13:45	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/25/23 17:20	09/26/23 13:45	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/25/23 17:20	09/26/23 13:45	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/25/23 17:20	09/26/23 13:45	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/25/23 17:20	09/26/23 13:45	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/25/23 17:20	09/26/23 13:45	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/25/23 17:20	09/26/23 13:45	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/25/23 17:20	09/26/23 13:45	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/25/23 17:20	09/26/23 13:45	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/25/23 17:20	09/26/23 13:45	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/25/23 17:20	09/26/23 13:45	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (14-16) **Lab ID: 20289592015** Collected: 09/15/23 11:51 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E			Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet							
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/25/23 17:20	09/26/23 13:45	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/25/23 17:20	09/26/23 13:45	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/25/23 17:20	09/26/23 13:45	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/25/23 17:20	09/26/23 13:45	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/25/23 17:20	09/26/23 13:45	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/25/23 17:20	09/26/23 13:45	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/25/23 17:20	09/26/23 13:45	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/25/23 17:20	09/26/23 13:45	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/25/23 17:20	09/26/23 13:45	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/25/23 17:20	09/26/23 13:45	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/25/23 17:20	09/26/23 13:45	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/25/23 17:20	09/26/23 13:45	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/25/23 17:20	09/26/23 13:45	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/25/23 17:20	09/26/23 13:45	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/25/23 17:20	09/26/23 13:45	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/25/23 17:20	09/26/23 13:45	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/25/23 17:20	09/26/23 13:45	621-64-7	
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/25/23 17:20	09/26/23 13:45	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/25/23 17:20	09/26/23 13:45	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/25/23 17:20	09/26/23 13:45	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/25/23 17:20	09/26/23 13:45	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/25/23 17:20	09/26/23 13:45	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/25/23 17:20	09/26/23 13:45	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/25/23 17:20	09/26/23 13:45	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/25/23 17:20	09/26/23 13:45	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/25/23 17:20	09/26/23 13:45	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/25/23 17:20	09/26/23 13:45	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/25/23 17:20	09/26/23 13:45	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/25/23 17:20	09/26/23 13:45	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/25/23 17:20	09/26/23 13:45	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/25/23 17:20	09/26/23 13:45	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/25/23 17:20	09/26/23 13:45	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/25/23 17:20	09/26/23 13:45	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/25/23 17:20	09/26/23 13:45	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/25/23 17:20	09/26/23 13:45	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/25/23 17:20	09/26/23 13:45	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/25/23 17:20	09/26/23 13:45	88-85-7	
Surrogates										
2-Fluorophenol (S)	62.3	%	12.0-120			1	09/25/23 17:20	09/26/23 13:45	367-12-4	
Phenol-d5 (S)	56.9	%	10.0-120			1	09/25/23 17:20	09/26/23 13:45	4165-62-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (14-16) **Lab ID: 20289592015** Collected: 09/15/23 11:51 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Surrogates										
Nitrobenzene-d5 (S)	51.9	%	10.0-122			1	09/25/23 17:20	09/26/23 13:45	4165-60-0	
2-Fluorobiphenyl (S)	52.8	%	15.0-120			1	09/25/23 17:20	09/26/23 13:45	321-60-8	
2,4,6-Tribromophenol (S)	39.7	%	10.0-127			1	09/25/23 17:20	09/26/23 13:45	118-79-6	
Terphenyl-d14 (S)	58.0	%	10.0-120			1	09/25/23 17:20	09/26/23 13:45	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.011**	mg/kg	0.0094	0.0042	1.5	1	09/26/23 11:00	09/26/23 19:22	67-64-1	
Benzene	ND	mg/kg	0.0047	0.0013	.051	1	09/26/23 11:00	09/26/23 19:22	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0047	0.0014	.92	1	09/26/23 11:00	09/26/23 19:22	75-27-4	
Bromoform	ND	mg/kg	0.0047	0.0015	1.8	1	09/26/23 11:00	09/26/23 19:22	75-25-2	
Bromomethane	ND	mg/kg	0.0047	0.0013	.04	1	09/26/23 11:00	09/26/23 19:22	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0094	0.0028	5	1	09/26/23 11:00	09/26/23 19:22	78-93-3	
Carbon disulfide	ND	mg/kg	0.0047	0.0014	11	1	09/26/23 11:00	09/26/23 19:22	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0047	0.0010	.11	1	09/26/23 11:00	09/26/23 19:22	56-23-5	
Chlorobenzene	ND	mg/kg	0.0047	0.0014	3	1	09/26/23 11:00	09/26/23 19:22	108-90-7	
Chloroethane	ND	mg/kg	0.0047	0.0012	.035	1	09/26/23 11:00	09/26/23 19:22	75-00-3	
Chloroform	ND	mg/kg	0.0047	0.0013	.044	1	09/26/23 11:00	09/26/23 19:22	67-66-3	
Chloromethane	ND	mg/kg	0.0047	0.0011	.1	1	09/26/23 11:00	09/26/23 19:22	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0047	0.0017	.01	1	09/26/23 11:00	09/26/23 19:22	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0047	0.0015	1	1	09/26/23 11:00	09/26/23 19:22	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0047	0.0014	7.5	1	09/26/23 11:00	09/26/23 19:22	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0047	0.0014	.035	1	09/26/23 11:00	09/26/23 19:22	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0047	0.0013	.085	1	09/26/23 11:00	09/26/23 19:22	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0013	.49	1	09/26/23 11:00	09/26/23 19:22	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0012	.77	1	09/26/23 11:00	09/26/23 19:22	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0047	0.0014	.042	1	09/26/23 11:00	09/26/23 19:22	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0014	.04	1	09/26/23 11:00	09/26/23 19:22	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0015	.04	1	09/26/23 11:00	09/26/23 19:22	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0047	0.0013	19	1	09/26/23 11:00	09/26/23 19:22	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.034	30	1	09/26/23 11:00	09/26/23 19:22	78-83-1	
Methylene Chloride	ND	mg/kg	0.0047	0.0044	.017	1	09/26/23 11:00	09/26/23 19:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0094	0.0018	6.4	1	09/26/23 11:00	09/26/23 19:22	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0047	0.0013	.077	1	09/26/23 11:00	09/26/23 19:22	1634-04-4	
Styrene	ND	mg/kg	0.0047	0.0015	11	1	09/26/23 11:00	09/26/23 19:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0014	.046	1	09/26/23 11:00	09/26/23 19:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0018	.006	1	09/26/23 11:00	09/26/23 19:22	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0047	0.0014	.18	1	09/26/23 11:00	09/26/23 19:22	127-18-4	
Toluene	ND	mg/kg	0.0047	0.0020	20	1	09/26/23 11:00	09/26/23 19:22	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: B-18 (14-16) **Lab ID: 20289592015** Collected: 09/15/23 11:51 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
1,2,4-Trichlorobenzene	ND	mg/kg	0.0047	0.0014	14	1	09/26/23 11:00	09/26/23 19:22	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0047	0.0012	4	1	09/26/23 11:00	09/26/23 19:22	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0047	0.0014	.058	1	09/26/23 11:00	09/26/23 19:22	79-00-5	
Trichloroethene	ND	mg/kg	0.0047	0.0014	.073	1	09/26/23 11:00	09/26/23 19:22	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0047	0.0012	37	1	09/26/23 11:00	09/26/23 19:22	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0010	.013	1	09/26/23 11:00	09/26/23 19:22	75-01-4	
m&p-Xylene	ND	mg/kg	0.0094	0.0030	18	1	09/26/23 11:00	09/26/23 19:22	179601-23-1	
o-Xylene	ND	mg/kg	0.0047	0.0015	18	1	09/26/23 11:00	09/26/23 19:22	95-47-6	
Surrogates										
Toluene-d8 (S)	97	%.	75-125			1	09/26/23 11:00	09/26/23 19:22	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	64-139			1	09/26/23 11:00	09/26/23 19:22	460-00-4	
Dibromofluoromethane (S)	87	%.	66-143			1	09/26/23 11:00	09/26/23 19:22	1868-53-7	

Sample: DUP3 **Lab ID: 20289592016** Collected: 09/15/23 11:06 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 20:07		
Aliphatic (>C12-C16)	**1.89J**	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 20:07		J
Aliphatic (>C16-C35)	**19.9J**	mg/kg	100	1.68		1	09/26/23 20:41	09/29/23 20:07	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:58		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:58		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:58		
Aromatic (>C21-C35)	**4.48J**	mg/kg	25.0	2.12		1	09/26/23 20:41	09/29/23 21:58		J
Surrogates										
o-Terphenyl (S)	65.5	%	40.0-140			1	09/26/23 20:41	09/29/23 21:58	84-15-1	
1-Chloro-octadecane (S)	71.4	%	40.0-140			1	09/26/23 20:41	09/29/23 20:07		
2-Fluorobiphenyl (S)	101	%	40.0-140			1	09/26/23 20:41	09/29/23 21:58	321-60-8	
2-Bromonaphthalene (S)	99.8	%	40.0-140			1	09/26/23 20:41	09/29/23 21:58	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.7**	mg/kg	0.77	0.37	12	1	09/17/23 13:43	09/20/23 18:30	7440-38-2	
Barium	**132**	mg/kg	15.4	0.75	550	1	09/17/23 13:43	09/20/23 18:30	7440-39-3	
Cadmium	ND	mg/kg	0.38	0.055	3.9	1	09/17/23 13:43	09/20/23 18:30	7440-43-9	
Chromium	**22.4**	mg/kg	0.77	0.35	100	1	09/17/23 13:43	09/20/23 18:30	7440-47-3	
Lead	**25.6**	mg/kg	0.38	0.25	100	1	09/17/23 13:43	09/20/23 18:30	7439-92-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Sample: DUP3 **Lab ID: 20289592016** Collected: 09/15/23 11:06 Received: 09/15/23 15:21 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans								
Selenium	**0.57J**	mg/kg	1.5	0.45	20	1	09/17/23 13:43	09/20/23 18:30	7782-49-2	
Silver	ND	mg/kg	0.77	0.20	39	1	09/17/23 13:43	09/20/23 18:30	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.032**	mg/kg	0.015	0.0095		1	09/17/23 15:51	09/20/23 15:15	7439-97-6	
SVOA (GC/MS) 8270E-SIM		Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet								
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 07:08	09/25/23 16:19	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 07:08	09/25/23 16:19	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 07:08	09/25/23 16:19	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 07:08	09/25/23 16:19	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 07:08	09/25/23 16:19	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 07:08	09/25/23 16:19	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 07:08	09/25/23 16:19	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 07:08	09/25/23 16:19	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 07:08	09/25/23 16:19	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 07:08	09/25/23 16:19	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 07:08	09/25/23 16:19	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 07:08	09/25/23 16:19	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 07:08	09/25/23 16:19	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 07:08	09/25/23 16:19	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 07:08	09/25/23 16:19	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 07:08	09/25/23 16:19	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 07:08	09/25/23 16:19	91-58-7	
Surrogates										
Terphenyl-d14 (S)	80.9	%	23.0-120			1	09/25/23 07:08	09/25/23 16:19	1718-51-0	
Nitrobenzene-d5 (S)	85.9	%	14.0-149			1	09/25/23 07:08	09/25/23 16:19	4165-60-0	
2-Fluorobiphenyl (S)	82.3	%	34.0-125			1	09/25/23 07:08	09/25/23 16:19	321-60-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 2137503
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592009, 20289592010, 20289592011, 20289592012

METHOD BLANK: R3977782-1 Matrix: Solid
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592009, 20289592010, 20289592011, 20289592012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/25/23 22:22	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/25/23 22:22	
Aliphatic (>C16-C35)	mg/kg	2.66J	100	1.68	09/25/23 22:22	J
1-Chloro-octadecane (S)	%	86.7	40.0-140		09/25/23 22:22	

METHOD BLANK: R3977782-4 Matrix: Solid
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592009, 20289592010, 20289592011, 20289592012

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
o-Terphenyl (S)	%	85.7	40.0-140		09/25/23 23:29	
2-Fluorobiphenyl (S)	%	102	40.0-140		09/25/23 23:29	
2-Bromonaphthalene (S)	%	101	40.0-140		09/25/23 23:29	

LABORATORY CONTROL SAMPLE & LCSD: R3977782-2 R3977782-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	5.25	5.39	78.9	81.1	40.0-140	2.63	50	
Aliphatic (>C12-C16)	mg/kg	13.3	11.4	11.9	85.7	89.5	40.0-140	4.29	50	
Aliphatic (>C16-C35)	mg/kg	53.2	48.3	51.3	90.8	96.4	40.0-140	6.02	50	
1-Chloro-octadecane (S)	%				89.8	92.1	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3977782-5 R3977782-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	5.52	5.24	83.0	78.8	40.0-140	5.20	50	
Aromatic (>C12-C16)	mg/kg	20.0	17.4	17.0	87.0	85.0	40.0-140	2.33	50	
Aromatic (>C16-C21)	mg/kg	33.3	30.7	31.0	92.2	93.1	40.0-140	0.972	50	
Aromatic (>C21-C35)	mg/kg	53.2	49.8	51.2	93.6	96.2	40.0-140	2.77	50	
o-Terphenyl (S)	%				86.5	85.3	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

LABORATORY CONTROL SAMPLE & LCSD: R3977782-5 R3977782-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Fluorobiphenyl (S)	%				102	99.4	40.0-140			
2-Bromonaphthalene (S)	%				103	101	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977782-7 R3977782-8

Parameter	Units	20289592010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.55	6.40	5.16	4.70	78.8	73.4	40.0-140	9.33	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.1	12.8	11.2	9.77	85.5	76.3	40.0-140	13.6	50	
Aliphatic (>C16-C35)	mg/kg	2.33	52.4	51.2	46.6	38.1	84.5	69.9	40.0-140	20.1	50	
1-Chloro-octadecane (S)	%						84.5	71.5	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977782-9 R3977782-10

Parameter	Units	20289592010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.55	6.40	5.31	5.31	81.1	83.0	40.0-140	0.00	50	
Aromatic (>C12-C16)	mg/kg	ND	19.7	19.2	17.2	16.9	87.3	88.0	40.0-140	1.76	50	
Aromatic (>C16-C21)	mg/kg	ND	32.8	32.0	30.9	29.9	94.2	93.4	40.0-140	3.29	50	
Aromatic (>C21-C35)	mg/kg	ND	52.4	51.2	51.0	48.5	97.3	94.7	40.0-140	5.03	50	
o-Terphenyl (S)	%						87.2	87.7	40.0-140			
2-Fluorobiphenyl (S)	%						104	104	40.0-140			
2-Bromonaphthalene (S)	%						105	104	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 2141715
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289592013, 20289592014, 20289592015, 20289592016

METHOD BLANK: R3980301-1 Matrix: Solid
Associated Lab Samples: 20289592013, 20289592014, 20289592015, 20289592016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/29/23 16:45	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/29/23 16:45	
Aliphatic (>C16-C35)	mg/kg	3.27J	100	1.68	09/29/23 16:45	J
1-Chloro-octadecane (S)	%	90.4	40.0-140		09/29/23 16:45	

METHOD BLANK: R3980301-4 Matrix: Solid
Associated Lab Samples: 20289592013, 20289592014, 20289592015, 20289592016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
o-Terphenyl (S)	%	89.8	40.0-140		09/29/23 17:52	
2-Fluorobiphenyl (S)	%	101	40.0-140		09/29/23 17:52	
2-Bromonaphthalene (S)	%	101	40.0-140		09/29/23 17:52	

LABORATORY CONTROL SAMPLE & LCSD: R3980301-2 R3980301-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	6.02	6.40	90.5	96.2	40.0-140	6.12	50	
Aliphatic (>C12-C16)	mg/kg	13.3	12.4	13.1	93.2	98.5	40.0-140	5.49	50	
Aliphatic (>C16-C35)	mg/kg	53.2	52.6	55.9	98.9	105	40.0-140	6.08	50	
1-Chloro-octadecane (S)	%				90.4	95.1	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3980301-5 R3980301-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	6.55	6.84	98.5	103	40.0-140	4.33	50	
Aromatic (>C12-C16)	mg/kg	20.0	19.9	20.7	99.5	104	40.0-140	3.94	50	
Aromatic (>C16-C21)	mg/kg	33.3	33.8	35.2	102	106	40.0-140	4.06	50	
Aromatic (>C21-C35)	mg/kg	53.2	50.9	52.9	95.7	99.4	40.0-140	3.85	50	
o-Terphenyl (S)	%				92.9	95.1	40.0-140			
2-Fluorobiphenyl (S)	%				105	108	40.0-140			
2-Bromonaphthalene (S)	%				105	109	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3980301-7 R3980301-8

Parameter	Units	L1657320-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.55	6.65	6.27	5.49	95.7	82.6	40.0-140	13.3	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.1	13.3	13.4	11.4	102	85.7	40.0-140	16.1	50	
Aliphatic (>C16-C35)	mg/kg	4.07	52.4	53.2	56.5	49.1	100	84.6	40.0-140	14.0	50	
1-Chloro-octadecane (S)	%						97.3	82.7	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3980301-9 R3980301-10

Parameter	Units	L1657320-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.55	6.65	6.03	5.36	92.1	80.6	40.0-140	11.8	50	
Aromatic (>C12-C16)	mg/kg	ND	19.7	20.0	19.3	16.5	98.0	82.5	40.0-140	15.6	50	
Aromatic (>C16-C21)	mg/kg	ND	32.8	33.3	34.1	28.5	104	85.6	40.0-140	17.9	50	
Aromatic (>C21-C35)	mg/kg	ND	52.4	53.2	49.8	43.6	95.0	82.0	40.0-140	13.3	50	
o-Terphenyl (S)	%						94.7	78.4	40.0-140			
2-Fluorobiphenyl (S)	%						104	92.5	40.0-140			
2-Bromonaphthalene (S)	%						105	90.6	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 300453
QC Batch Method: EPA 5035
Analysis Method: MADEP VPH Mod
Analysis Description: 8015 Solid VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013, 20289592014, 20289592015

METHOD BLANK: 1438774 Matrix: Solid
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013, 20289592014, 20289592015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/kg	ND	3500	2080	09/25/23 10:26	
Aliphatic (C06-C08)	ug/kg	ND	4250	1800	09/25/23 10:26	
Aromatic (>C08-C10)	ug/kg	ND	3500	1430	09/25/23 10:26	
4-Bromofluorobenzene (S)	%.	97	63-133		09/25/23 10:26	

LABORATORY CONTROL SAMPLE: 1438775

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/kg	14000	13200	94	72-127	
Aliphatic (C06-C08)	ug/kg	14000	13500	96	75-141	
Aromatic (>C08-C10)	ug/kg	14000	13700	98	76-136	
4-Bromofluorobenzene (S)	%.			97	63-133	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438776 1438777

Parameter	Units	20289592001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C08-C10)	ug/kg	ND	13600	13600	15900	15700	111	109	10-171	1	20	
Aliphatic (C06-C08)	ug/kg	ND	13600	13600	16400	16300	119	119	10-160	1	20	
Aromatic (>C08-C10)	ug/kg	ND	13600	13600	16200	16400	118	119	10-160	1	20	
4-Bromofluorobenzene (S)	%.						97	97	63-133			

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 299326
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004

METHOD BLANK: 1433869 Matrix: Solid
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	0.013	09/20/23 13:30	

LABORATORY CONTROL SAMPLE: 1433870

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433871 1433872

Parameter	Units	20289293002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.044	0.085	0.11	0.12	0.18	92	118	75-125	37	20	R1

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 299328
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289592005, 20289592006, 20289592007, 20289592008, 20289592009, 20289592010, 20289592011, 20289592012, 20289592013, 20289592014, 20289592015, 20289592016

METHOD BLANK: 1433873 Matrix: Solid
Associated Lab Samples: 20289592005, 20289592006, 20289592007, 20289592008, 20289592009, 20289592010, 20289592011, 20289592012, 20289592013, 20289592014, 20289592015, 20289592016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	0.013	09/20/23 14:29	

LABORATORY CONTROL SAMPLE: 1433874

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.1	0.11	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433875 1433876

Parameter	Units	20289592010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.023	0.07	0.094	0.095	0.12	103	99	75-125	20	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 299324
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008

METHOD BLANK: 1433861 Matrix: Solid
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/kg	ND	3.0	0.45	09/19/23 21:49	
Arsenic	mg/kg	ND	1.0	0.48	09/19/23 21:49	
Barium	mg/kg	ND	20.0	0.98	09/19/23 21:49	
Beryllium	mg/kg	ND	0.50	0.073	09/19/23 21:49	
Cadmium	mg/kg	ND	0.50	0.071	09/19/23 21:49	
Chromium	mg/kg	ND	1.0	0.45	09/19/23 21:49	
Cobalt	mg/kg	ND	1.0	0.21	09/19/23 21:49	
Copper	mg/kg	ND	1.0	0.24	09/19/23 21:49	
Lead	mg/kg	ND	0.50	0.32	09/19/23 21:49	
Nickel	mg/kg	ND	4.0	3.2	09/19/23 21:49	
Selenium	mg/kg	ND	2.0	0.59	09/19/23 21:49	
Silver	mg/kg	ND	1.0	0.26	09/19/23 21:49	
Thallium	mg/kg	ND	0.50	0.38	09/19/23 21:49	
Vanadium	mg/kg	ND	5.0	2.0	09/19/23 21:49	
Zinc	mg/kg	ND	5.0	2.6	09/19/23 21:49	

LABORATORY CONTROL SAMPLE: 1433862

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	100	93.6	94	85-115	
Arsenic	mg/kg	100	90.3	90	84-115	
Barium	mg/kg	100	96.7	97	85-115	
Beryllium	mg/kg	100	97.8	98	85-115	
Cadmium	mg/kg	100	90.7	91	85-115	
Chromium	mg/kg	100	92.6	93	85-115	
Cobalt	mg/kg	100	97.0	97	85-115	
Copper	mg/kg	100	102	102	85-115	
Lead	mg/kg	100	92.8	93	85-115	
Nickel	mg/kg	100	94.7	95	85-115	
Selenium	mg/kg	100	82.4	82	77-115	
Silver	mg/kg	50	43.9	88	85-115	
Thallium	mg/kg	50	47.7	95	79-115	
Vanadium	mg/kg	100	99.4	99	85-115	
Zinc	mg/kg	100	96.6	97	85-115	

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433863 1433864

Parameter	Units	20289293002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	0.76J	88	96.2	26.1	26.7	29	27	80-120	2	20	M1
Arsenic	mg/kg	3.7	88	96.2	78.4	83.2	85	83	80-120	6	20	
Barium	mg/kg	145	88	96.2	211	240	75	99	80-120	13	20	M1
Beryllium	mg/kg	<0.075	88	96.2	84.7	90.6	96	94	80-120	7	20	
Cadmium	mg/kg	<0.073	88	96.2	71.2	77.2	81	80	80-120	8	20	
Chromium	mg/kg	95.1	88	96.2	168	165	82	73	80-120	1	20	M1
Cobalt	mg/kg	30.2	88	96.2	110	112	90	85	80-120	2	20	
Copper	mg/kg	99.1	88	96.2	205	193	120	98	80-120	6	20	
Lead	mg/kg	9.1	88	96.2	82.2	89.2	83	83	80-120	8	20	
Nickel	mg/kg	110	88	96.2	176	177	75	70	80-120	0	20	M1
Selenium	mg/kg	0.68J	88	96.2	69.1	74.4	78	77	80-120	7	20	M1
Silver	mg/kg	<0.26	44	48.1	37.8	40.7	86	84	80-120	7	20	
Thallium	mg/kg	0.67	44	48.1	36.8	40.2	82	82	80-120	9	20	
Vanadium	mg/kg	123	88	96.2	214	203	103	83	80-120	5	20	
Zinc	mg/kg	262	88	96.2	317	353	63	94	80-120	11	20	M1

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 299325
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289592009, 20289592010, 20289592011, 20289592012, 20289592013, 20289592014, 20289592015, 20289592016

METHOD BLANK: 1433865 Matrix: Solid
Associated Lab Samples: 20289592009, 20289592010, 20289592011, 20289592012, 20289592013, 20289592014, 20289592015, 20289592016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/kg	ND	3.0	0.45	09/20/23 17:36	
Arsenic	mg/kg	ND	1.0	0.48	09/20/23 17:36	
Barium	mg/kg	ND	20.0	0.98	09/20/23 17:36	
Beryllium	mg/kg	ND	0.50	0.073	09/20/23 17:36	
Cadmium	mg/kg	ND	0.50	0.071	09/20/23 17:36	
Chromium	mg/kg	ND	1.0	0.45	09/20/23 17:36	
Cobalt	mg/kg	ND	1.0	0.21	09/20/23 17:36	
Copper	mg/kg	ND	1.0	0.24	09/20/23 17:36	
Lead	mg/kg	ND	0.50	0.32	09/20/23 17:36	
Nickel	mg/kg	ND	4.0	3.2	09/20/23 17:36	
Selenium	mg/kg	0.61J	2.0	0.59	09/20/23 17:36	
Silver	mg/kg	ND	1.0	0.26	09/20/23 17:36	
Thallium	mg/kg	ND	0.50	0.38	09/20/23 17:36	
Vanadium	mg/kg	ND	5.0	2.0	09/20/23 17:36	
Zinc	mg/kg	ND	5.0	2.6	09/20/23 17:36	

LABORATORY CONTROL SAMPLE: 1433866

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	100	99.5	99	85-115	
Arsenic	mg/kg	100	96.3	96	84-115	
Barium	mg/kg	100	110	110	85-115	
Beryllium	mg/kg	100	110	110	85-115	
Cadmium	mg/kg	100	99.9	100	85-115	
Chromium	mg/kg	100	106	106	85-115	
Cobalt	mg/kg	100	103	103	85-115	
Copper	mg/kg	100	109	109	85-115	
Lead	mg/kg	100	101	101	85-115	
Nickel	mg/kg	100	102	102	85-115	
Selenium	mg/kg	100	83.0	83	77-115	
Silver	mg/kg	50	51.3	103	85-115	
Thallium	mg/kg	50	50.6	101	79-115	
Vanadium	mg/kg	100	107	107	85-115	
Zinc	mg/kg	100	99.4	99	85-115	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1433867 1433868

Parameter	Units	20289592010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	71.4	75.8	34.5	36.7	48	48	80-120	6	20	M1
Arsenic	mg/kg	1.5	71.4	75.8	68.8	71.6	94	92	80-120	4	20	
Barium	mg/kg	147	71.4	75.8	235	228	123	107	80-120	3	20	M1
Beryllium	mg/kg	0.38J	71.4	75.8	78.0	80.8	109	106	80-120	3	20	
Cadmium	mg/kg	ND	71.4	75.8	69.0	71.6	97	94	80-120	4	20	
Chromium	mg/kg	13.4	71.4	75.8	88.2	90.6	105	102	80-120	3	20	
Cobalt	mg/kg	6.4	71.4	75.8	78.8	81.0	101	98	80-120	3	20	
Copper	mg/kg	11.8	71.4	75.8	86.7	89.3	105	102	80-120	3	20	
Lead	mg/kg	8.2	71.4	75.8	78.9	81.7	99	97	80-120	4	20	
Nickel	mg/kg	13.4	71.4	75.8	85.1	87.6	100	98	80-120	3	20	
Selenium	mg/kg	ND	71.4	75.8	59.3	61.3	82	80	80-120	3	20	
Silver	mg/kg	ND	35.7	37.9	35.9	36.9	100	97	80-120	3	20	
Thallium	mg/kg	ND	35.7	37.9	35.7	37.1	100	98	80-120	4	20	
Vanadium	mg/kg	28.2	71.4	75.8	106	108	108	106	80-120	3	20	
Zinc	mg/kg	37.0	71.4	75.8	107	109	97	95	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 2137999
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013

METHOD BLANK: R3977502-2 Matrix: Solid
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	09/23/23 16:40	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	09/23/23 16:40	
Aniline	mg/kg	ND	0.333	0.0311	09/23/23 16:40	
Anthracene	mg/kg	ND	0.0333	0.00593	09/23/23 16:40	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	09/23/23 16:40	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	09/23/23 16:40	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	09/23/23 16:40	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	09/23/23 16:40	
Biphenyl (Diphenyl)	mg/kg	ND	0.333	0.0106	09/23/23 16:40	
bis(2-Chloroethyl) ether	mg/kg	ND	0.333	0.0110	09/23/23 16:40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.333	0.0144	09/23/23 16:40	
2-Chloronaphthalene	mg/kg	ND	0.0333	0.00585	09/23/23 16:40	
Chrysene	mg/kg	ND	0.0333	0.00662	09/23/23 16:40	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	09/23/23 16:40	
Dibenzofuran	mg/kg	ND	0.333	0.0109	09/23/23 16:40	
4-Chloroaniline	mg/kg	ND	0.333	0.0120	09/23/23 16:40	
1,2-Dichlorobenzene	mg/kg	ND	0.333	0.00987	09/23/23 16:40	
1,3-Dichlorobenzene	mg/kg	ND	0.333	0.0101	09/23/23 16:40	
1,4-Dichlorobenzene	mg/kg	ND	0.333	0.00991	09/23/23 16:40	
3,3'-Dichlorobenzidine	mg/kg	ND	0.333	0.0123	09/23/23 16:40	
2,4-Dinitrotoluene	mg/kg	ND	0.333	0.00955	09/23/23 16:40	
2,6-Dinitrotoluene	mg/kg	ND	0.333	0.0109	09/23/23 16:40	
Fluoranthene	mg/kg	ND	0.0333	0.00601	09/23/23 16:40	
Fluorene	mg/kg	ND	0.0333	0.00542	09/23/23 16:40	
Hexachlorobenzene	mg/kg	ND	0.333	0.0118	09/23/23 16:40	
Hexachloro-1,3-butadiene	mg/kg	ND	0.333	0.0112	09/23/23 16:40	
Hexachlorocyclopentadiene	mg/kg	ND	0.333	0.0175	09/23/23 16:40	
Hexachloroethane	mg/kg	ND	0.333	0.0131	09/23/23 16:40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	09/23/23 16:40	
Isophorone	mg/kg	ND	0.333	0.0102	09/23/23 16:40	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	09/23/23 16:40	
2-Nitroaniline	mg/kg	ND	0.333	0.0107	09/23/23 16:40	
3-Nitroaniline	mg/kg	ND	0.333	0.0106	09/23/23 16:40	
4-Nitroaniline	mg/kg	ND	0.333	0.00971	09/23/23 16:40	
Naphthalene	mg/kg	ND	0.0333	0.00836	09/23/23 16:40	
Nitrobenzene	mg/kg	ND	0.333	0.0116	09/23/23 16:40	
N-Nitrosodiphenylamine	mg/kg	ND	0.333	0.0252	09/23/23 16:40	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.333	0.0111	09/23/23 16:40	
Phenanthrene	mg/kg	ND	0.0333	0.00661	09/23/23 16:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

METHOD BLANK: R3977502-2 Matrix: Solid

Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.333	0.0104	09/23/23 16:40	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	09/23/23 16:40	
Diethylphthalate	mg/kg	ND	0.333	0.0110	09/23/23 16:40	
Dimethylphthalate	mg/kg	ND	0.333	0.0706	09/23/23 16:40	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	09/23/23 16:40	
Pyrene	mg/kg	ND	0.0333	0.00648	09/23/23 16:40	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.333	0.0159	09/23/23 16:40	
2-Chlorophenol	mg/kg	ND	0.333	0.0110	09/23/23 16:40	
2,4-Dichlorophenol	mg/kg	ND	0.333	0.00970	09/23/23 16:40	
2,4-Dimethylphenol	mg/kg	ND	0.333	0.00870	09/23/23 16:40	
2,4-Dinitrophenol	mg/kg	ND	0.333	0.0779	09/23/23 16:40	
4-Nitrophenol	mg/kg	ND	0.333	0.0104	09/23/23 16:40	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	09/23/23 16:40	
Phenol	mg/kg	ND	0.333	0.0134	09/23/23 16:40	
2,4,5-Trichlorophenol	mg/kg	ND	0.333	0.0113	09/23/23 16:40	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.333	0.0126	09/23/23 16:40	
2,4,6-Trichlorophenol	mg/kg	ND	0.333	0.0107	09/23/23 16:40	
2-Fluorophenol (S)	%	74.6	12.0-120		09/23/23 16:40	
Phenol-d5 (S)	%	68.2	10.0-120		09/23/23 16:40	
Nitrobenzene-d5 (S)	%	60.4	10.0-122		09/23/23 16:40	
2-Fluorobiphenyl (S)	%	68.8	15.0-120		09/23/23 16:40	
2,4,6-Tribromophenol (S)	%	57.1	10.0-127		09/23/23 16:40	
Terphenyl-d14 (S)	%	81.4	10.0-120		09/23/23 16:40	

METHOD BLANK: R3977708-2 Matrix: Solid

Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,3-Dinitrobenzene	mg/kg	ND	0.333	0.0617	09/26/23 12:58	
Dinoseb	mg/kg	ND	0.333	0.0970	09/26/23 12:58	

LABORATORY CONTROL SAMPLE: R3977502-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.382	57.4	38.0-120	
Acenaphthylene	mg/kg	0.666	0.385	57.8	40.0-120	
Aniline	mg/kg	0.666	0.388	58.3	15.0-120	
Anthracene	mg/kg	0.666	0.413	62.0	42.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.469	70.4	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.481	72.2	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.457	68.6	44.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

LABORATORY CONTROL SAMPLE: R3977502-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	mg/kg	0.666	0.454	68.2	45.0-120	
Biphenyl (Diphenyl)	mg/kg	0.666	0.392	58.9	39.0-120	
bis(2-Chloroethyl) ether	mg/kg	0.666	0.339	50.9	16.0-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	0.666	0.375	56.3	23.0-120	
2-Chloronaphthalene	mg/kg	0.666	0.382	57.4	35.0-120	
Chrysene	mg/kg	0.666	0.458	68.8	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.443	66.5	44.0-120	
Dibenzofuran	mg/kg	0.666	0.384	57.7	44.0-120	
4-Chloroaniline	mg/kg	0.666	0.364	54.7	18.0-120	
1,2-Dichlorobenzene	mg/kg	0.666	0.356	53.5	32.0-120	
1,3-Dichlorobenzene	mg/kg	0.666	0.345	51.8	30.0-120	
1,4-Dichlorobenzene	mg/kg	0.666	0.355	53.3	31.0-120	
3,3'-Dichlorobenzidine	mg/kg	1.33	0.880	66.2	28.0-120	
2,4-Dinitrotoluene	mg/kg	0.666	0.475	71.3	45.0-120	
2,6-Dinitrotoluene	mg/kg	0.666	0.450	67.6	42.0-120	
Fluoranthene	mg/kg	0.666	0.422	63.4	44.0-120	
Fluorene	mg/kg	0.666	0.391	58.7	41.0-120	
Hexachlorobenzene	mg/kg	0.666	0.329	49.4	39.0-120	
Hexachloro-1,3-butadiene	mg/kg	0.666	0.324	48.6	15.0-120	
Hexachlorocyclopentadiene	mg/kg	0.666	0.282	42.3	15.0-120	
Hexachloroethane	mg/kg	0.666	0.367	55.1	17.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.409	61.4	45.0-120	
Isophorone	mg/kg	0.666	0.331	49.7	23.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.312	46.8	34.0-120	
2-Nitroaniline	mg/kg	0.666	0.484	72.7	46.0-120	
3-Nitroaniline	mg/kg	0.666	0.451	67.7	36.0-120	
4-Nitroaniline	mg/kg	0.666	0.631	94.7	36.0-120	
Naphthalene	mg/kg	0.666	0.305	45.8	18.0-120	
Nitrobenzene	mg/kg	0.666	0.349	52.4	17.0-120	
N-Nitrosodiphenylamine	mg/kg	0.666	0.393	59.0	40.0-120	
N-Nitroso-di-n-propylamine	mg/kg	0.666	0.420	63.1	26.0-120	
Phenanthrene	mg/kg	0.666	0.411	61.7	42.0-120	
Butylbenzylphthalate	mg/kg	0.666	0.494	74.2	40.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.493	74.0	41.0-120	
Diethylphthalate	mg/kg	0.666	0.419	62.9	43.0-120	
Dimethylphthalate	mg/kg	0.666	0.418	62.8	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.500	75.1	40.0-120	
Pyrene	mg/kg	0.666	0.463	69.5	41.0-120	
1,2,4,5-Tetrachlorobenzene	mg/kg	0.666	0.387	58.1	30.0-120	
2-Chlorophenol	mg/kg	0.666	0.392	58.9	28.0-120	
2,4-Dichlorophenol	mg/kg	0.666	0.341	51.2	25.0-120	
2,4-Dimethylphenol	mg/kg	0.666	0.395	59.3	15.0-120	
2,4-Dinitrophenol	mg/kg	0.666	0.440	66.1	10.0-120	
4-Nitrophenol	mg/kg	0.666	0.498	74.8	27.0-120	
Pentachlorophenol	mg/kg	0.666	0.363	54.5	29.0-120	
Phenol	mg/kg	0.666	0.407	61.1	28.0-120	
2,4,5-Trichlorophenol	mg/kg	0.666	0.423	63.5	38.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

LABORATORY CONTROL SAMPLE: R3977502-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,3,4,6-Tetrachlorophenol	mg/kg	0.666	0.475	71.3	39.0-120	
2,4,6-Trichlorophenol	mg/kg	0.666	0.410	61.6	37.0-120	
2-Fluorophenol (S)	%			62.9	12.0-120	
Phenol-d5 (S)	%			59.9	10.0-120	
Nitrobenzene-d5 (S)	%			47.7	10.0-122	
2-Fluorobiphenyl (S)	%			57.7	15.0-120	
2,4,6-Tribromophenol (S)	%			51.2	10.0-127	
Terphenyl-d14 (S)	%			65.2	10.0-120	

LABORATORY CONTROL SAMPLE: R3977708-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	0.666	0.414	62.2	29.0-120	
Dinoseb	mg/kg	0.666	0.414	62.2	26.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977502-3 R3977502-4

Parameter	Units	L1657152-11 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	0.644	0.648	0.413	0.400	64.1	61.7	18.0-120	3.20	32	
Acenaphthylene	mg/kg	ND	0.644	0.648	0.412	0.399	64.0	61.6	25.0-120	3.21	32	
Aniline	mg/kg	ND	0.644	0.648	0.270	0.320	41.9	49.4	10.0-120	16.9	40	
Anthracene	mg/kg	ND	0.644	0.648	0.428	0.429	66.5	66.2	22.0-120	0.233	29	
Benzo(a)anthracene	mg/kg	ND	0.644	0.648	0.486	0.486	75.5	75.0	25.0-120	0.00	29	
Benzo(b)fluoranthene	mg/kg	ND	0.644	0.648	0.473	0.475	73.4	73.3	19.0-122	0.422	31	
Benzo(k)fluoranthene	mg/kg	ND	0.644	0.648	0.444	0.452	68.9	69.8	23.0-120	1.79	30	
Benzo(a)pyrene	mg/kg	ND	0.644	0.648	0.480	0.474	74.5	73.1	24.0-120	1.26	30	
Biphenyl (Diphenyl)	mg/kg	ND	0.644	0.648	0.412	0.405	64.0	62.5	15.0-120	1.71	33	
bis(2-Chloroethyl) ether	mg/kg	ND	0.644	0.648	0.476	0.466	73.9	71.9	10.0-120	2.12	40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.644	0.648	0.361	0.361	56.1	55.7	10.0-120	0.00	40	
2-Chloronaphthalene	mg/kg	ND	0.644	0.648	0.409	0.392	63.5	60.5	20.0-120	4.24	32	
Chrysene	mg/kg	ND	0.644	0.648	0.477	0.475	74.1	73.3	21.0-120	0.420	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.644	0.648	0.492	0.476	76.4	73.5	10.0-120	3.31	32	
Dibenzofuran	mg/kg	ND	0.644	0.648	0.418	0.406	64.9	62.7	24.0-120	2.91	30	
4-Chloroaniline	mg/kg	ND	0.644	0.648	0.263	0.278	40.8	42.9	10.0-120	5.55	36	
1,2-Dichlorobenzene	mg/kg	ND	0.644	0.648	0.346	0.348	53.7	53.7	10.0-120	0.576	38	
1,3-Dichlorobenzene	mg/kg	ND	0.644	0.648	0.329	0.328	51.1	50.6	10.0-120	0.304	40	
1,4-Dichlorobenzene	mg/kg	ND	0.644	0.648	0.344	0.345	53.4	53.2	10.0-120	0.290	39	
3,3'-Dichlorobenzidine	mg/kg	ND	1.29	1.30	0.884	0.897	68.5	69.0	10.0-120	1.46	34	
2,4-Dinitrotoluene	mg/kg	ND	0.644	0.648	0.500	0.491	77.6	75.8	30.0-120	1.82	31	
2,6-Dinitrotoluene	mg/kg	ND	0.644	0.648	0.470	0.460	73.0	71.0	25.0-120	2.15	31	
Fluoranthene	mg/kg	ND	0.644	0.648	0.443	0.445	68.8	68.7	18.0-126	0.450	32	
Fluorene	mg/kg	ND	0.644	0.648	0.428	0.411	66.5	63.4	25.0-120	4.05	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977502-3 R3977502-4

Parameter	Units	L1657152-11 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachlorobenzene	mg/kg	ND	0.644	0.648	0.355	0.355	55.1	54.8	27.0-120	0.00	28	
Hexachloro-1,3-butadiene	mg/kg	ND	0.644	0.648	0.322	0.323	50.0	49.8	10.0-120	0.310	38	
Hexachlorocyclopentadiene	mg/kg	ND	0.644	0.648	0.214	0.225	33.2	34.7	10.0-120	5.01	40	
Hexachloroethane	mg/kg	ND	0.644	0.648	0.327	0.336	50.8	51.9	10.0-120	2.71	40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.644	0.648	0.447	0.436	69.4	67.3	10.0-120	2.49	32	
Isophorone	mg/kg	ND	0.644	0.648	0.320	0.318	49.7	49.1	13.0-120	0.627	34	
2-Methylnaphthalene	mg/kg	ND	0.644	0.648	0.321	0.318	49.8	49.1	10.0-120	0.939	37	
2-Nitroaniline	mg/kg	ND	0.644	0.648	0.542	0.521	84.2	80.4	24.0-120	3.95	30	
3-Nitroaniline	mg/kg	ND	0.644	0.648	0.343	0.383	53.3	59.1	11.0-120	11.0	32	
4-Nitroaniline	mg/kg	ND	0.644	0.648	0.595	0.614	92.4	94.8	15.0-120	3.14	31	
Naphthalene	mg/kg	ND	0.644	0.648	0.307	0.299	47.7	46.1	10.0-120	2.64	35	
Nitrobenzene	mg/kg	ND	0.644	0.648	0.322	0.325	50.0	50.2	10.0-120	0.927	36	
N-Nitrosodiphenylamine	mg/kg	ND	0.644	0.648	0.394	0.404	61.2	62.3	17.0-120	2.51	29	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.644	0.648	0.394	0.399	61.2	61.6	10.0-120	1.26	37	
Phenanthrene	mg/kg	ND	0.644	0.648	0.426	0.428	66.1	66.0	17.0-120	0.468	31	
Butylbenzylphthalate	mg/kg	ND	0.644	0.648	0.492	0.483	76.4	74.5	23.0-120	1.85	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.644	0.648	0.492	0.487	76.4	75.2	17.0-126	1.02	30	
Diethylphthalate	mg/kg	ND	0.644	0.648	0.442	0.429	68.6	66.2	26.0-120	2.99	28	
Dimethylphthalate	mg/kg	ND	0.644	0.648	0.448	0.436	69.6	67.3	25.0-120	2.71	29	
Di-n-octylphthalate	mg/kg	ND	0.644	0.648	0.491	0.493	76.2	76.1	21.0-123	0.407	29	
Pyrene	mg/kg	ND	0.644	0.648	0.482	0.462	74.8	71.3	16.0-121	4.24	32	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.644	0.648	0.408	0.408	63.4	63.0	14.0-120	0.00	36	
2-Chlorophenol	mg/kg	ND	0.644	0.648	0.399	0.398	62.0	61.4	15.0-120	0.251	37	
2,4-Dichlorophenol	mg/kg	ND	0.644	0.648	0.371	0.356	57.6	54.9	20.0-120	4.13	31	
2,4-Dimethylphenol	mg/kg	ND	0.644	0.648	0.412	0.400	64.0	61.7	10.0-120	2.96	33	
2,4-Dinitrophenol	mg/kg	ND	0.644	0.648	0.540	0.457	83.9	70.5	10.0-121	16.6	40	
4-Nitrophenol	mg/kg	ND	0.644	0.648	0.550	0.536	85.4	82.7	10.0-137	2.58	32	
Pentachlorophenol	mg/kg	ND	0.644	0.648	0.407	0.400	63.2	61.7	10.0-160	1.73	31	
Phenol	mg/kg	ND	0.644	0.648	0.412	0.409	64.0	63.1	12.0-120	0.731	38	
2,4,5-Trichlorophenol	mg/kg	ND	0.644	0.648	0.487	0.469	75.6	72.4	20.0-120	3.77	30	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.644	0.648	0.534	0.512	82.9	79.0	20.0-120	4.21	31	
2,4,6-Trichlorophenol	mg/kg	ND	0.644	0.648	0.453	0.434	70.3	67.0	19.0-120	4.28	32	
2-Fluorophenol (S)	%						66.5	66.5	12.0-120			
Phenol-d5 (S)	%						61.8	61.1	10.0-120			
Nitrobenzene-d5 (S)	%						44.1	44.1	10.0-122			
2-Fluorobiphenyl (S)	%						62.1	60.8	15.0-120			
2,4,6-Tribromophenol (S)	%						59.3	58.6	10.0-127			
Terphenyl-d14 (S)	%						69.3	67.6	10.0-120			

MATRIX SPIKE SAMPLE: R3977708-3

Parameter	Units	L1657152-11 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	ND	0.666	0.442	66.4	29.0-120	
Dinoseb	mg/kg	ND	0.666	0.469	70.4	26.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 2138346
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289592014, 20289592015

METHOD BLANK: R3977830-3 Matrix: Solid
Associated Lab Samples: 20289592014, 20289592015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	09/26/23 12:59	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	09/26/23 12:59	
Aniline	mg/kg	ND	0.333	0.0311	09/26/23 12:59	
Anthracene	mg/kg	ND	0.0333	0.00593	09/26/23 12:59	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	09/26/23 12:59	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	09/26/23 12:59	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	09/26/23 12:59	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	09/26/23 12:59	
Biphenyl (Diphenyl)	mg/kg	ND	0.333	0.0106	09/26/23 12:59	
bis(2-Chloroethyl) ether	mg/kg	ND	0.333	0.0110	09/26/23 12:59	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.333	0.0144	09/26/23 12:59	
2-Chloronaphthalene	mg/kg	ND	0.0333	0.00585	09/26/23 12:59	
Chrysene	mg/kg	ND	0.0333	0.00662	09/26/23 12:59	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	09/26/23 12:59	
Dibenzofuran	mg/kg	ND	0.333	0.0109	09/26/23 12:59	
4-Chloroaniline	mg/kg	ND	0.333	0.0120	09/26/23 12:59	
1,2-Dichlorobenzene	mg/kg	ND	0.333	0.00987	09/26/23 12:59	
1,3-Dichlorobenzene	mg/kg	ND	0.333	0.0101	09/26/23 12:59	
1,4-Dichlorobenzene	mg/kg	ND	0.333	0.00991	09/26/23 12:59	
3,3'-Dichlorobenzidine	mg/kg	ND	0.333	0.0123	09/26/23 12:59	
2,4-Dinitrotoluene	mg/kg	ND	0.333	0.00955	09/26/23 12:59	
2,6-Dinitrotoluene	mg/kg	ND	0.333	0.0109	09/26/23 12:59	
Fluoranthene	mg/kg	ND	0.0333	0.00601	09/26/23 12:59	
Fluorene	mg/kg	ND	0.0333	0.00542	09/26/23 12:59	
Hexachlorobenzene	mg/kg	ND	0.333	0.0118	09/26/23 12:59	
Hexachloro-1,3-butadiene	mg/kg	ND	0.333	0.0112	09/26/23 12:59	
Hexachlorocyclopentadiene	mg/kg	ND	0.333	0.0175	09/26/23 12:59	
Hexachloroethane	mg/kg	ND	0.333	0.0131	09/26/23 12:59	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	09/26/23 12:59	
Isophorone	mg/kg	ND	0.333	0.0102	09/26/23 12:59	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	09/26/23 12:59	
2-Nitroaniline	mg/kg	ND	0.333	0.0107	09/26/23 12:59	
3-Nitroaniline	mg/kg	ND	0.333	0.0106	09/26/23 12:59	
4-Nitroaniline	mg/kg	ND	0.333	0.00971	09/26/23 12:59	
Naphthalene	mg/kg	ND	0.0333	0.00836	09/26/23 12:59	
Nitrobenzene	mg/kg	ND	0.333	0.0116	09/26/23 12:59	
N-Nitrosodiphenylamine	mg/kg	ND	0.333	0.0252	09/26/23 12:59	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.333	0.0111	09/26/23 12:59	
Phenanthrene	mg/kg	ND	0.0333	0.00661	09/26/23 12:59	
Butylbenzylphthalate	mg/kg	ND	0.333	0.0104	09/26/23 12:59	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

METHOD BLANK: R3977830-3 Matrix: Solid
Associated Lab Samples: 20289592014, 20289592015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	09/26/23 12:59	
Diethylphthalate	mg/kg	ND	0.333	0.0110	09/26/23 12:59	
Dimethylphthalate	mg/kg	ND	0.333	0.0706	09/26/23 12:59	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	09/26/23 12:59	
Pyrene	mg/kg	ND	0.0333	0.00648	09/26/23 12:59	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.333	0.0159	09/26/23 12:59	
2-Chlorophenol	mg/kg	ND	0.333	0.0110	09/26/23 12:59	
2,4-Dichlorophenol	mg/kg	ND	0.333	0.00970	09/26/23 12:59	
2,4-Dimethylphenol	mg/kg	ND	0.333	0.00870	09/26/23 12:59	
2,4-Dinitrophenol	mg/kg	ND	0.333	0.0779	09/26/23 12:59	
4-Nitrophenol	mg/kg	ND	0.333	0.0104	09/26/23 12:59	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	09/26/23 12:59	
Phenol	mg/kg	ND	0.333	0.0134	09/26/23 12:59	
2,4,5-Trichlorophenol	mg/kg	ND	0.333	0.0113	09/26/23 12:59	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.333	0.0126	09/26/23 12:59	
2,4,6-Trichlorophenol	mg/kg	ND	0.333	0.0107	09/26/23 12:59	
1,3-Dinitrobenzene	mg/kg	ND	0.333	0.0617	09/26/23 12:59	
Dinoseb	mg/kg	ND	0.333	0.0970	09/26/23 12:59	
2-Fluorophenol (S)	%	73.9	12.0-120		09/26/23 12:59	
Phenol-d5 (S)	%	66.4	10.0-120		09/26/23 12:59	
Nitrobenzene-d5 (S)	%	58.9	10.0-122		09/26/23 12:59	
2-Fluorobiphenyl (S)	%	64	15.0-120		09/26/23 12:59	
2,4,6-Tribromophenol (S)	%	41.3	10.0-127		09/26/23 12:59	
Terphenyl-d14 (S)	%	72.4	10.0-120		09/26/23 12:59	

LABORATORY CONTROL SAMPLE: R3977830-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.339	50.9	38.0-120	
Acenaphthylene	mg/kg	0.666	0.336	50.5	40.0-120	
Aniline	mg/kg	0.666	0.355	53.3	15.0-120	
Anthracene	mg/kg	0.666	0.346	52.0	42.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.390	58.6	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.394	59.2	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.383	57.5	44.0-120	
Benzo(a)pyrene	mg/kg	0.666	0.387	58.1	45.0-120	
Biphenyl (Diphenyl)	mg/kg	0.666	0.332	49.8	39.0-120	
bis(2-Chloroethyl) ether	mg/kg	0.666	0.350	52.6	16.0-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	0.666	0.343	51.5	23.0-120	
2-Chloronaphthalene	mg/kg	0.666	0.320	48.0	35.0-120	
Chrysene	mg/kg	0.666	0.388	58.3	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.400	60.1	44.0-120	
Dibenzofuran	mg/kg	0.666	0.329	49.4	44.0-120	
4-Chloroaniline	mg/kg	0.666	0.313	47.0	18.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

LABORATORY CONTROL SAMPLE: R3977830-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	mg/kg	0.666	0.318	47.7	32.0-120	
1,3-Dichlorobenzene	mg/kg	0.666	0.308	46.2	30.0-120	
1,4-Dichlorobenzene	mg/kg	0.666	0.316	47.4	31.0-120	
3,3'-Dichlorobenzidine	mg/kg	1.33	0.735	55.3	28.0-120	
2,4-Dinitrotoluene	mg/kg	0.666	0.377	56.6	45.0-120	
2,6-Dinitrotoluene	mg/kg	0.666	0.370	55.6	42.0-120	
Fluoranthene	mg/kg	0.666	0.358	53.8	44.0-120	
Fluorene	mg/kg	0.666	0.331	49.7	41.0-120	
Hexachlorobenzene	mg/kg	0.666	0.292	43.8	39.0-120	
Hexachloro-1,3-butadiene	mg/kg	0.666	0.290	43.5	15.0-120	
Hexachlorocyclopentadiene	mg/kg	0.666	0.213	32.0	15.0-120	
Hexachloroethane	mg/kg	0.666	0.328	49.2	17.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.361	54.2	45.0-120	
Isophorone	mg/kg	0.666	0.307	46.1	23.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.278	41.7	34.0-120	
2-Nitroaniline	mg/kg	0.666	0.377	56.6	46.0-120	
3-Nitroaniline	mg/kg	0.666	0.349	52.4	36.0-120	
4-Nitroaniline	mg/kg	0.666	0.485	72.8	36.0-120	
Naphthalene	mg/kg	0.666	0.274	41.1	18.0-120	
Nitrobenzene	mg/kg	0.666	0.310	46.5	17.0-120	
N-Nitrosodiphenylamine	mg/kg	0.666	0.336	50.5	40.0-120	
N-Nitroso-di-n-propylamine	mg/kg	0.666	0.390	58.6	26.0-120	
Phenanthrene	mg/kg	0.666	0.355	53.3	42.0-120	
Butylbenzylphthalate	mg/kg	0.666	0.431	64.7	40.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.446	67.0	41.0-120	
Diethylphthalate	mg/kg	0.666	0.375	56.3	43.0-120	
Dimethylphthalate	mg/kg	0.666	0.365	54.8	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.407	61.1	40.0-120	
Pyrene	mg/kg	0.666	0.395	59.3	41.0-120	
1,2,4,5-Tetrachlorobenzene	mg/kg	0.666	0.346	52.0	30.0-120	
2-Chlorophenol	mg/kg	0.666	0.353	53.0	28.0-120	
2,4-Dichlorophenol	mg/kg	0.666	0.297	44.6	25.0-120	
2,4-Dimethylphenol	mg/kg	0.666	0.362	54.4	15.0-120	
2,4-Dinitrophenol	mg/kg	0.666	0.283	42.5	10.0-120	
4-Nitrophenol	mg/kg	0.666	0.356	53.5	27.0-120	
Pentachlorophenol	mg/kg	0.666	0.291	43.7	29.0-120	
Phenol	mg/kg	0.666	0.369	55.4	28.0-120	
2,4,5-Trichlorophenol	mg/kg	0.666	0.343	51.5	38.0-120	
2,3,4,6-Tetrachlorophenol	mg/kg	0.666	0.375	56.3	39.0-120	
2,4,6-Trichlorophenol	mg/kg	0.666	0.340	51.1	37.0-120	
2-Fluorophenol (S)	%			56.9	12.0-120	
Phenol-d5 (S)	%			52.0	10.0-120	
Nitrobenzene-d5 (S)	%			40.2	10.0-122	
2-Fluorobiphenyl (S)	%			49.2	15.0-120	
2,4,6-Tribromophenol (S)	%			42.2	10.0-127	
Terphenyl-d14 (S)	%			55.0	10.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

LABORATORY CONTROL SAMPLE: R3977830-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	0.666	0.419	62.9	29.0-120	
Dinoseb	mg/kg	0.666	0.468	70.3	26.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977830-4 R3977830-5

Parameter	Units	L1657586-05 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	0.638	0.638	0.363	0.365	56.9	57.2	18.0-120	0.549	32	
Acenaphthylene	mg/kg	ND	0.638	0.638	0.361	0.358	56.6	56.1	25.0-120	0.834	32	
Aniline	mg/kg	ND	0.638	0.638	0.321	0.271	50.3	42.5	10.0-120	16.9	40	
Anthracene	mg/kg	ND	0.638	0.638	0.372	0.367	58.3	57.5	22.0-120	1.35	29	
Benzo(a)anthracene	mg/kg	ND	0.638	0.638	0.412	0.411	64.6	64.4	25.0-120	0.243	29	
Benzo(b)fluoranthene	mg/kg	ND	0.638	0.638	0.415	0.413	65.0	64.7	19.0-122	0.483	31	
Benzo(k)fluoranthene	mg/kg	ND	0.638	0.638	0.375	0.378	58.8	59.2	23.0-120	0.797	30	
Benzo(a)pyrene	mg/kg	ND	0.638	0.638	0.402	0.394	63.0	61.8	24.0-120	2.01	30	
Biphenyl (Diphenyl)	mg/kg	ND	0.638	0.638	0.361	0.358	56.6	56.1	15.0-120	0.834	33	
bis(2-Chloroethyl) ether	mg/kg	ND	0.638	0.638	0.362	0.352	56.7	55.2	10.0-120	2.80	40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.638	0.638	0.370	0.340	58.0	53.3	10.0-120	8.45	40	
2-Chloronaphthalene	mg/kg	ND	0.638	0.638	0.350	0.346	54.9	54.2	20.0-120	1.15	32	
Chrysene	mg/kg	ND	0.638	0.638	0.399	0.399	62.5	62.5	21.0-120	0.00	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.638	0.638	0.359	0.354	56.3	55.5	10.0-120	1.40	32	
Dibenzofuran	mg/kg	ND	0.638	0.638	0.359	0.360	56.3	56.4	24.0-120	0.278	30	
4-Chloroaniline	mg/kg	ND	0.638	0.638	0.275	0.232	43.1	36.4	10.0-120	17.0	36	
1,2-Dichlorobenzene	mg/kg	ND	0.638	0.638	0.341	0.307	53.4	48.1	10.0-120	10.5	38	
1,3-Dichlorobenzene	mg/kg	ND	0.638	0.638	0.326	0.294	51.1	46.1	10.0-120	10.3	40	
1,4-Dichlorobenzene	mg/kg	ND	0.638	0.638	0.337	0.303	52.8	47.5	10.0-120	10.6	39	
3,3'-Dichlorobenzidine	mg/kg	ND	1.28	1.28	0.562	0.432	43.9	33.8	10.0-120	26.2	34	
2,4-Dinitrotoluene	mg/kg	ND	0.638	0.638	0.424	0.419	66.5	65.7	30.0-120	1.19	31	
2,6-Dinitrotoluene	mg/kg	ND	0.638	0.638	0.413	0.405	64.7	63.5	25.0-120	1.96	31	
Fluoranthene	mg/kg	ND	0.638	0.638	0.383	0.380	60.0	59.6	18.0-126	0.786	32	
Fluorene	mg/kg	ND	0.638	0.638	0.363	0.366	56.9	57.4	25.0-120	0.823	30	
Hexachlorobenzene	mg/kg	ND	0.638	0.638	0.307	0.302	48.1	47.3	27.0-120	1.64	28	
Hexachloro-1,3-butadiene	mg/kg	ND	0.638	0.638	0.304	0.295	47.6	46.2	10.0-120	3.01	38	
Hexachlorocyclopentadiene	mg/kg	ND	0.638	0.638	0.0511	0.0536	8.01	8.40	10.0-120	4.78	40	ML
Hexachloroethane	mg/kg	ND	0.638	0.638	0.254	0.224	39.8	35.1	10.0-120	12.6	40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.638	0.638	0.335	0.329	52.5	51.6	10.0-120	1.81	32	
Isophorone	mg/kg	ND	0.638	0.638	0.333	0.317	52.2	49.7	13.0-120	4.92	34	
2-Methylnaphthalene	mg/kg	ND	0.638	0.638	0.296	0.289	46.4	45.3	10.0-120	2.39	37	
2-Nitroaniline	mg/kg	ND	0.638	0.638	0.436	0.451	68.3	70.7	24.0-120	3.38	30	
3-Nitroaniline	mg/kg	ND	0.638	0.638	0.295	0.221	46.2	34.6	11.0-120	28.7	32	
4-Nitroaniline	mg/kg	ND	0.638	0.638	0.428	0.396	67.1	62.1	15.0-120	7.77	31	
Naphthalene	mg/kg	ND	0.638	0.638	0.288	0.274	45.1	42.9	10.0-120	4.98	35	
Nitrobenzene	mg/kg	ND	0.638	0.638	0.337	0.314	52.8	49.2	10.0-120	7.07	36	
N-Nitrosodiphenylamine	mg/kg	ND	0.638	0.638	0.353	0.353	55.3	55.3	17.0-120	0.00	29	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977830-4 R3977830-5

Parameter	Units	L1657586-05 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
N-Nitroso-di-n-propylamine	mg/kg	ND	0.638	0.638	0.440	0.414	69.0	64.9	10.0-120	6.09	37	
Phenanthrene	mg/kg	ND	0.638	0.638	0.378	0.369	59.2	57.8	17.0-120	2.41	31	
Butylbenzylphthalate	mg/kg	ND	0.638	0.638	0.528	0.526	82.8	82.4	23.0-120	0.380	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.638	0.638	0.530	0.536	83.1	84.0	17.0-126	1.13	30	
Diethylphthalate	mg/kg	ND	0.638	0.638	0.414	0.405	64.9	63.5	26.0-120	2.20	28	
Dimethylphthalate	mg/kg	ND	0.638	0.638	0.398	0.398	62.4	62.4	25.0-120	0.00	29	
Di-n-octylphthalate	mg/kg	ND	0.638	0.638	0.540	0.546	84.6	85.6	21.0-123	1.10	29	
Pyrene	mg/kg	ND	0.638	0.638	0.425	0.420	66.6	65.8	16.0-121	1.18	32	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.638	0.638	0.367	0.354	57.5	55.5	14.0-120	3.61	36	
2-Chlorophenol	mg/kg	ND	0.638	0.638	0.388	0.363	60.8	56.9	15.0-120	6.66	37	
2,4-Dichlorophenol	mg/kg	ND	0.638	0.638	0.327	0.329	51.3	51.6	20.0-120	0.610	31	
2,4-Dimethylphenol	mg/kg	ND	0.638	0.638	0.379	0.380	59.4	59.6	10.0-120	0.264	33	
2,4-Dinitrophenol	mg/kg	ND	0.638	0.638	0.251	0.255	39.3	40.0	10.0-121	1.58	40	
4-Nitrophenol	mg/kg	ND	0.638	0.638	0.423	0.433	66.3	67.9	10.0-137	2.34	32	
Pentachlorophenol	mg/kg	ND	0.638	0.638	0.315	0.333	49.4	52.2	10.0-160	5.56	31	
Phenol	mg/kg	ND	0.638	0.638	0.399	0.382	62.5	59.9	12.0-120	4.35	38	
2,4,5-Trichlorophenol	mg/kg	ND	0.638	0.638	0.402	0.415	63.0	65.0	20.0-120	3.18	30	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.638	0.638	0.432	0.456	67.7	71.5	20.0-120	5.41	31	
2,4,6-Trichlorophenol	mg/kg	ND	0.638	0.638	0.384	0.393	60.2	61.6	19.0-120	2.32	32	
2-Fluorophenol (S)	%						63.3	59.9	12.0-120			
Phenol-d5 (S)	%						58.2	56.3	10.0-120			
Nitrobenzene-d5 (S)	%						44.8	42.9	10.0-122			
2-Fluorobiphenyl (S)	%						53.9	53.3	15.0-120			
2,4,6-Tribromophenol (S)	%						48.9	48.9	10.0-127			
Terphenyl-d14 (S)	%						59.2	60.2	10.0-120			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 2138640
QC Batch Method: 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289592009, 20289592010, 20289592011, 20289592016

METHOD BLANK: R3977732-2 Matrix: Solid
Associated Lab Samples: 20289592009, 20289592010, 20289592011, 20289592016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/kg	ND	0.00600	0.00230	09/25/23 14:34	
Acenaphthene	mg/kg	ND	0.00600	0.00209	09/25/23 14:34	
Acenaphthylene	mg/kg	ND	0.00600	0.00216	09/25/23 14:34	
Benzo(a)anthracene	mg/kg	ND	0.00600	0.00173	09/25/23 14:34	
Benzo(a)pyrene	mg/kg	ND	0.00600	0.00179	09/25/23 14:34	
Benzo(b)fluoranthene	mg/kg	ND	0.00600	0.00153	09/25/23 14:34	
Benzo(k)fluoranthene	mg/kg	ND	0.00600	0.00215	09/25/23 14:34	
Chrysene	mg/kg	ND	0.00600	0.00232	09/25/23 14:34	
Dibenz(a,h)anthracene	mg/kg	ND	0.00600	0.00172	09/25/23 14:34	
Fluoranthene	mg/kg	ND	0.00600	0.00227	09/25/23 14:34	
Fluorene	mg/kg	ND	0.00600	0.00205	09/25/23 14:34	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.00600	0.00181	09/25/23 14:34	
Naphthalene	mg/kg	ND	0.0200	0.00408	09/25/23 14:34	
Phenanthrene	mg/kg	ND	0.00600	0.00231	09/25/23 14:34	
Pyrene	mg/kg	ND	0.00600	0.00200	09/25/23 14:34	
2-Methylnaphthalene	mg/kg	ND	0.0200	0.00427	09/25/23 14:34	
2-Chloronaphthalene	mg/kg	ND	0.0200	0.00466	09/25/23 14:34	
Terphenyl-d14 (S)	%	105	23.0-120		09/25/23 14:34	
Nitrobenzene-d5 (S)	%	94.5	14.0-149		09/25/23 14:34	
2-Fluorobiphenyl (S)	%	99.4	34.0-125		09/25/23 14:34	

LABORATORY CONTROL SAMPLE: R3977732-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/kg	0.0800	0.0660	82.5	50.0-126	
Acenaphthene	mg/kg	0.0800	0.0651	81.4	50.0-120	
Acenaphthylene	mg/kg	0.0800	0.0727	90.9	50.0-120	
Benzo(a)anthracene	mg/kg	0.0800	0.0703	87.9	45.0-120	
Benzo(a)pyrene	mg/kg	0.0800	0.0630	78.8	42.0-120	
Benzo(b)fluoranthene	mg/kg	0.0800	0.0705	88.1	42.0-121	
Benzo(k)fluoranthene	mg/kg	0.0800	0.0674	84.3	49.0-125	
Chrysene	mg/kg	0.0800	0.0739	92.4	49.0-122	
Dibenz(a,h)anthracene	mg/kg	0.0800	0.0723	90.4	47.0-125	
Fluoranthene	mg/kg	0.0800	0.0781	97.6	49.0-129	
Fluorene	mg/kg	0.0800	0.0759	94.9	49.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0800	0.0749	93.6	46.0-125	
Naphthalene	mg/kg	0.0800	0.0669	83.6	50.0-120	
Phenanthrene	mg/kg	0.0800	0.0718	89.8	47.0-120	
Pyrene	mg/kg	0.0800	0.0741	92.6	43.0-123	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

LABORATORY CONTROL SAMPLE: R3977732-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/kg	0.0800	0.0703	87.9	50.0-120	
2-Chloronaphthalene	mg/kg	0.0800	0.0725	90.6	50.0-120	
Terphenyl-d14 (S)	%			96.3	23.0-120	
Nitrobenzene-d5 (S)	%			96.5	14.0-149	
2-Fluorobiphenyl (S)	%			100	34.0-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977732-3 R3977732-4

Parameter	Units	20289592010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/kg	ND	0.0768	0.0764	0.0541	0.0440	70.4	57.6	10.0-145	20.6	30	
Acenaphthene	mg/kg	ND	0.0768	0.0764	0.0528	0.0439	68.7	57.5	14.0-127	18.4	27	
Acenaphthylene	mg/kg	ND	0.0768	0.0764	0.0583	0.0487	75.9	63.7	21.0-124	17.9	25	
Benzo(a)anthracene	mg/kg	ND	0.0768	0.0764	0.0557	0.0449	72.5	58.8	10.0-139	21.5	30	
Benzo(a)pyrene	mg/kg	ND	0.0768	0.0764	0.0614	0.0500	79.9	65.4	10.0-141	20.5	31	
Benzo(b)fluoranthene	mg/kg	ND	0.0768	0.0764	0.0559	0.0457	72.8	59.8	10.0-140	20.1	36	
Benzo(k)fluoranthene	mg/kg	ND	0.0768	0.0764	0.0607	0.0510	79.0	66.8	10.0-137	17.4	31	
Chrysene	mg/kg	ND	0.0768	0.0764	0.0637	0.0537	82.9	70.3	10.0-145	17.0	30	
Dibenz(a,h)anthracene	mg/kg	ND	0.0768	0.0764	0.0614	0.0494	79.9	64.7	10.0-132	21.7	31	
Fluoranthene	mg/kg	ND	0.0768	0.0764	0.0593	0.0487	77.2	63.7	10.0-153	19.6	33	
Fluorene	mg/kg	ND	0.0768	0.0764	0.0621	0.0503	80.9	65.8	11.0-130	21.0	29	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0768	0.0764	0.0569	0.0474	74.1	62.0	10.0-137	18.2	32	
Naphthalene	mg/kg	ND	0.0768	0.0764	0.0697	0.0503	90.8	65.8	10.0-135	32.3	27	R1
Phenanthrene	mg/kg	ND	0.0768	0.0764	0.0662	0.0455	86.2	59.6	10.0-144	37.1	31	R1
Pyrene	mg/kg	ND	0.0768	0.0764	0.0603	0.0493	78.5	64.5	10.0-148	20.1	35	
2-Methylnaphthalene	mg/kg	ND	0.0768	0.0764	0.0882	0.0506	115	66.2	10.0-137	54.2	28	R1
2-Chloronaphthalene	mg/kg	ND	0.0768	0.0764	0.0588	0.0506	76.6	66.2	29.0-120	15.0	24	
Terphenyl-d14 (S)	%						86.0	76.3	23.0-120			
Nitrobenzene-d5 (S)	%						87.3	82.2	14.0-149			
2-Fluorobiphenyl (S)	%						89.1	82.8	34.0-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

QC Batch: 300690
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035 Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013, 20289592014, 20289592015

METHOD BLANK: 1439653
Matrix: Solid
Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013, 20289592014, 20289592015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0012	09/26/23 15:15	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	09/26/23 15:15	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0018	09/26/23 15:15	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
2-Butanone (MEK)	mg/kg	ND	0.010	0.0029	09/26/23 15:15	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.010	0.0019	09/26/23 15:15	
Acetone	mg/kg	ND	0.010	0.0044	09/26/23 15:15	
Benzene	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
Bromodichloromethane	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
Bromoform	mg/kg	ND	0.0050	0.0016	09/26/23 15:15	
Bromomethane	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
Carbon disulfide	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0011	09/26/23 15:15	
Chlorobenzene	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
Chloroethane	mg/kg	ND	0.0050	0.0012	09/26/23 15:15	
Chloroform	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
Chloromethane	mg/kg	ND	0.0050	0.0012	09/26/23 15:15	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0015	09/26/23 15:15	
Dibromochloromethane	mg/kg	ND	0.0050	0.0016	09/26/23 15:15	
Ethylbenzene	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
Isobutanol	mg/kg	ND	0.25	0.036	09/26/23 15:15	
m&p-Xylene	mg/kg	ND	0.010	0.0032	09/26/23 15:15	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
Methylene Chloride	mg/kg	ND	0.0050	0.0046	09/26/23 15:15	
o-Xylene	mg/kg	ND	0.0050	0.0016	09/26/23 15:15	
Styrene	mg/kg	ND	0.0050	0.0016	09/26/23 15:15	
Tetrachloroethene	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
Toluene	mg/kg	ND	0.0050	0.0021	09/26/23 15:15	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0013	09/26/23 15:15	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0016	09/26/23 15:15	
Trichloroethene	mg/kg	ND	0.0050	0.0014	09/26/23 15:15	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0012	09/26/23 15:15	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

METHOD BLANK: 1439653 Matrix: Solid

Associated Lab Samples: 20289592001, 20289592002, 20289592003, 20289592004, 20289592005, 20289592006, 20289592007, 20289592008, 20289592012, 20289592013, 20289592014, 20289592015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Vinyl chloride	mg/kg	ND	0.0020	0.0011	09/26/23 15:15	
4-Bromofluorobenzene (S)	%.	96	64-139		09/26/23 15:15	
Dibromofluoromethane (S)	%.	89	66-143		09/26/23 15:15	
Toluene-d8 (S)	%.	98	75-125		09/26/23 15:15	

LABORATORY CONTROL SAMPLE: 1439654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.05	0.049	97	72-121	
1,1,1-Trichloroethane	mg/kg	0.05	0.044	88	76-126	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.046	92	65-129	
1,1,2-Trichloroethane	mg/kg	0.05	0.044	88	75-121	
1,1-Dichloroethane	mg/kg	0.05	0.045	89	71-127	
1,1-Dichloroethene	mg/kg	0.05	0.044	88	63-130	
1,2,4-Trichlorobenzene	mg/kg	0.05	0.042	83	67-123	
1,2-Dibromo-3-chloropropane	mg/kg	0.05	0.044	88	59-131	
1,2-Dichloroethane	mg/kg	0.05	0.045	91	65-131	
1,2-Dichloropropane	mg/kg	0.05	0.047	95	72-125	
2-Butanone (MEK)	mg/kg	0.05	0.035	70	34-170	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.05	0.048	95	58-141	
Acetone	mg/kg	0.05	0.036	71	16-192	
Benzene	mg/kg	0.05	0.041	82	74-132	
Bromodichloromethane	mg/kg	0.05	0.049	98	73-117	
Bromoform	mg/kg	0.05	0.045	91	58-132	
Bromomethane	mg/kg	0.05	0.043	85	47-157	
Carbon disulfide	mg/kg	0.05	0.045	89	52-145	
Carbon tetrachloride	mg/kg	0.05	0.046	93	68-129	
Chlorobenzene	mg/kg	0.05	0.048	96	79-121	
Chloroethane	mg/kg	0.05	0.052	103	34-160	
Chloroform	mg/kg	0.05	0.043	86	70-120	
Chloromethane	mg/kg	0.05	0.052	104	44-142	
cis-1,2-Dichloroethene	mg/kg	0.05	0.041	82	71-124	
cis-1,3-Dichloropropene	mg/kg	0.05	0.047	95	77-121	
Dibromochloromethane	mg/kg	0.05	0.045	91	67-122	
Ethylbenzene	mg/kg	0.05	0.048	96	79-116	
m&p-Xylene	mg/kg	0.1	0.095	95	78-119	
Methyl-tert-butyl ether	mg/kg	0.05	0.043	86	58-135	
Methylene Chloride	mg/kg	0.05	0.037	75	49-145	
o-Xylene	mg/kg	0.05	0.046	93	77-121	
Styrene	mg/kg	0.05	0.046	92	81-123	
Tetrachloroethene	mg/kg	0.05	0.044	88	62-138	
Toluene	mg/kg	0.05	0.045	90	79-120	
trans-1,2-Dichloroethene	mg/kg	0.05	0.041	82	68-125	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

LABORATORY CONTROL SAMPLE: 1439654

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	mg/kg	0.05	0.047	94	77-121	
Trichloroethene	mg/kg	0.05	0.041	83	77-117	
Trichlorofluoromethane	mg/kg	0.05	0.046	93	45-164	
Vinyl chloride	mg/kg	0.05	0.054	108	48-130	
4-Bromofluorobenzene (S)	%.			96	64-139	
Dibromofluoromethane (S)	%.			87	66-143	
Toluene-d8 (S)	%.			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439655 1439656

Parameter	Units	20289592001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.051	0.053	0.029	0.029	56	55	62-139	1	20	M1
1,1,1-Trichloroethane	mg/kg	ND	0.051	0.053	0.038	0.036	74	68	73-141	6	20	M1
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.051	0.053	0.021	0.022	40	42	48-148	8	20	M1
1,1,2-Trichloroethane	mg/kg	ND	0.051	0.053	0.025	0.027	49	50	46-154	6	20	
1,1-Dichloroethane	mg/kg	ND	0.051	0.053	0.035	0.034	68	63	63-145	3	20	
1,1-Dichloroethene	mg/kg	ND	0.051	0.053	0.040	0.038	78	71	28-176	7	20	
1,2,4-Trichlorobenzene	mg/kg	ND	0.051	0.053	0.0099	0.0086	19	16	56-145	14	20	M1
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.051	0.053	0.018	0.019	36	36	40-152	4	20	M1
1,2-Dichloroethane	mg/kg	ND	0.051	0.053	0.028	0.029	55	55	51-147	4	20	
1,2-Dichloropropane	mg/kg	ND	0.051	0.053	0.032	0.032	61	61	64-140	2	20	M1
2-Butanone (MEK)	mg/kg	0.0064J	0.051	0.053	0.026	0.028	38	41	10-200	9	20	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.051	0.053	0.025	0.028	49	53	36-165	11	20	
Acetone	mg/kg	0.045	0.051	0.053	0.067	0.073	43	51	10-200	8	20	
Benzene	mg/kg	ND	0.051	0.053	0.031	0.030	60	56	29-186	4	20	
Bromodichloromethane	mg/kg	ND	0.051	0.053	0.031	0.031	59	58	58-139	0	20	
Bromoform	mg/kg	ND	0.051	0.053	0.022	0.022	42	41	57-135	0	20	M1
Bromomethane	mg/kg	ND	0.051	0.053	0.035	0.040	67	75	42-168	14	20	
Carbon disulfide	mg/kg	ND	0.051	0.053	0.038	0.036	75	67	44-170	8	20	
Carbon tetrachloride	mg/kg	ND	0.051	0.053	0.041	0.034	80	64	45-162	20	20	
Chlorobenzene	mg/kg	ND	0.051	0.053	0.029	0.027	56	52	71-135	5	20	M1
Chloroethane	mg/kg	ND	0.051	0.053	0.046	0.051	89	96	32-175	10	20	
Chloroform	mg/kg	ND	0.051	0.053	0.032	0.031	62	59	61-136	3	20	M1
Chloromethane	mg/kg	ND	0.051	0.053	0.044	0.050	86	94	38-154	12	20	
cis-1,2-Dichloroethene	mg/kg	ND	0.051	0.053	0.030	0.029	58	55	44-160	2	20	
cis-1,3-Dichloropropene	mg/kg	ND	0.051	0.053	0.028	0.028	54	52	47-153	0	20	
Dibromochloromethane	mg/kg	ND	0.051	0.053	0.025	0.026	49	48	64-130	2	20	M1
Ethylbenzene	mg/kg	ND	0.051	0.053	0.033	0.032	63	59	51-153	3	20	
m&p-Xylene	mg/kg	ND	0.1	0.11	0.063	0.060	61	56	30-173	4	20	
Methyl-tert-butyl ether	mg/kg	ND	0.051	0.053	0.025	0.027	48	50	36-160	7	20	
Methylene Chloride	mg/kg	ND	0.051	0.053	0.025	0.026	49	49	56-140	3	20	M1
o-Xylene	mg/kg	ND	0.051	0.053	0.029	0.028	56	53	10-197	3	20	
Styrene	mg/kg	ND	0.051	0.053	0.024	0.023	47	43	37-163	5	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439655 1439656

Parameter	Units	20289592001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Tetrachloroethene	mg/kg	ND	0.051	0.053	0.042	0.039	81	74	18-193	6	20	
Toluene	mg/kg	ND	0.051	0.053	0.033	0.032	64	61	33-175	2	20	
trans-1,2-Dichloroethene	mg/kg	ND	0.051	0.053	0.033	0.031	63	57	63-140	7	20	M1
trans-1,3-Dichloropropene	mg/kg	ND	0.051	0.053	0.025	0.025	50	48	47-153	0	20	
Trichloroethene	mg/kg	ND	0.051	0.053	0.033	0.031	65	59	24-181	6	20	
Trichlorofluoromethane	mg/kg	ND	0.051	0.053	0.046	0.049	89	92	37-182	7	20	
Vinyl chloride	mg/kg	ND	0.051	0.053	0.050	0.055	98	103	19-169	8	20	
4-Bromofluorobenzene (S)	%.						95	95	64-139			
Dibromofluoromethane (S)	%.						92	91	66-143			
Toluene-d8 (S)	%.						97	97	75-125			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20289592

[1]

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
R1	RPD value was outside control limits.

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289592001	**B-1 (0-2)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592002	**B-1 (2-4)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592003	**B-1 (7-9)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592004	**B-1 (14-16)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592005	**B-2 (0-2)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592006	**B-2 (3-5)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592007	**B-2 (5-7)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592008	**B-2 (14-16)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592009	**B-19 (0-4)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592010	**B-19 (5-7)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592011	**B-19 (14-16)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592012	**B-18 (0-2)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289592013	**B-18 (2-4)**	MA DEP/NJ DEP	2141715	EPH	2141715
20289592014	**B-18 (4-6)**	MA DEP/NJ DEP	2141715	EPH	2141715
20289592015	**B-18 (14-16)**	MA DEP/NJ DEP	2141715	EPH	2141715
20289592016	**DUP3**	MA DEP/NJ DEP	2141715	EPH	2141715
20289592001	**B-1 (0-2)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592002	**B-1 (2-4)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592003	**B-1 (7-9)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592004	**B-1 (14-16)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592005	**B-2 (0-2)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592006	**B-2 (3-5)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592007	**B-2 (5-7)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592008	**B-2 (14-16)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592012	**B-18 (0-2)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592013	**B-18 (2-4)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592014	**B-18 (4-6)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592015	**B-18 (14-16)**	EPA 5035	300453	MADEP VPH Mod	300486
20289592001	**B-1 (0-2)**	EPA 3050	299324	EPA 6010	299394
20289592002	**B-1 (2-4)**	EPA 3050	299324	EPA 6010	299394
20289592003	**B-1 (7-9)**	EPA 3050	299324	EPA 6010	299394
20289592004	**B-1 (14-16)**	EPA 3050	299324	EPA 6010	299394
20289592005	**B-2 (0-2)**	EPA 3050	299324	EPA 6010	299394
20289592006	**B-2 (3-5)**	EPA 3050	299324	EPA 6010	299394
20289592007	**B-2 (5-7)**	EPA 3050	299324	EPA 6010	299394
20289592008	**B-2 (14-16)**	EPA 3050	299324	EPA 6010	299394
20289592009	**B-19 (0-4)**	EPA 3050	299325	EPA 6010	299395
20289592010	**B-19 (5-7)**	EPA 3050	299325	EPA 6010	299395
20289592011	**B-19 (14-16)**	EPA 3050	299325	EPA 6010	299395
20289592012	**B-18 (0-2)**	EPA 3050	299325	EPA 6010	299395
20289592013	**B-18 (2-4)**	EPA 3050	299325	EPA 6010	299395
20289592014	**B-18 (4-6)**	EPA 3050	299325	EPA 6010	299395
20289592015	**B-18 (14-16)**	EPA 3050	299325	EPA 6010	299395
20289592016	**DUP3**	EPA 3050	299325	EPA 6010	299395
20289592001	**B-1 (0-2)**	EPA 7471	299326	EPA 7471	299390
20289592002	**B-1 (2-4)**	EPA 7471	299326	EPA 7471	299390

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289592

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289592003	**B-1 (7-9)**	EPA 7471	299326	EPA 7471	299390
20289592004	**B-1 (14-16)**	EPA 7471	299326	EPA 7471	299390
20289592005	**B-2 (0-2)**	EPA 7471	299328	EPA 7471	299391
20289592006	**B-2 (3-5)**	EPA 7471	299328	EPA 7471	299391
20289592007	**B-2 (5-7)**	EPA 7471	299328	EPA 7471	299391
20289592008	**B-2 (14-16)**	EPA 7471	299328	EPA 7471	299391
20289592009	**B-19 (0-4)**	EPA 7471	299328	EPA 7471	299391
20289592010	**B-19 (5-7)**	EPA 7471	299328	EPA 7471	299391
20289592011	**B-19 (14-16)**	EPA 7471	299328	EPA 7471	299391
20289592012	**B-18 (0-2)**	EPA 7471	299328	EPA 7471	299391
20289592013	**B-18 (2-4)**	EPA 7471	299328	EPA 7471	299391
20289592014	**B-18 (4-6)**	EPA 7471	299328	EPA 7471	299391
20289592015	**B-18 (14-16)**	EPA 7471	299328	EPA 7471	299391
20289592016	**DUP3**	EPA 7471	299328	EPA 7471	299391
20289592001	**B-1 (0-2)**	3546	2137999	EPA 8270E	2137999
20289592002	**B-1 (2-4)**	3546	2137999	EPA 8270E	2137999
20289592003	**B-1 (7-9)**	3546	2137999	EPA 8270E	2137999
20289592004	**B-1 (14-16)**	3546	2137999	EPA 8270E	2137999
20289592005	**B-2 (0-2)**	3546	2137999	EPA 8270E	2137999
20289592006	**B-2 (3-5)**	3546	2137999	EPA 8270E	2137999
20289592007	**B-2 (5-7)**	3546	2137999	EPA 8270E	2137999
20289592008	**B-2 (14-16)**	3546	2137999	EPA 8270E	2137999
20289592012	**B-18 (0-2)**	3546	2137999	EPA 8270E	2137999
20289592013	**B-18 (2-4)**	3546	2137999	EPA 8270E	2137999
20289592014	**B-18 (4-6)**	3546	2138346	EPA 8270E	2138346
20289592015	**B-18 (14-16)**	3546	2138346	EPA 8270E	2138346
20289592009	**B-19 (0-4)**	3546	2138640	EPA 8270E by SIM	2138640
20289592010	**B-19 (5-7)**	3546	2138640	EPA 8270E by SIM	2138640
20289592011	**B-19 (14-16)**	3546	2138640	EPA 8270E by SIM	2138640
20289592016	**DUP3**	3546	2138640	EPA 8270E by SIM	2138640
20289592001	**B-1 (0-2)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592002	**B-1 (2-4)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592003	**B-1 (7-9)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592004	**B-1 (14-16)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592005	**B-2 (0-2)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592006	**B-2 (3-5)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592007	**B-2 (5-7)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592008	**B-2 (14-16)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592012	**B-18 (0-2)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592013	**B-18 (2-4)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592014	**B-18 (4-6)**	EPA 5035/5030B	300690	EPA 8260	300739
20289592015	**B-18 (14-16)**	EPA 5035/5030B	300690	EPA 8260	300739

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Lo... MTJ...

WO# : 20289592

20289592

ALL SHADED AI...

Company: Terracon	Billing Information:
Address: 534 Elmwood Blvd STE 170 New Orleans, LA 70123	
Report To: Dina Day	Email To: Dina.Day@Terracon.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: JM3 JM5 Parcels Sail	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Greg Pellerin	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: 7 day [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Analyses

Lab Profile/Line: 8793

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	EPH Recap VOC	Recap metals	Recap VOC (Vph)
B-1 (0-2)	S	G	9-15-23	13:14				6	X	X	X
B-1 (2-4)				13:33				6	X	X	X
B-1 (7-9)				13:24				6	X	X	X
B-1 (14-16)				13:19				6	X	X	X
B-2 (0-2)				14:22				6	X	X	X
B-2 (3-5)				14:37				6	X	X	X
B-2 (5-7)				14:26				6	X	X	X
B-2 (14-16)				14:16				6	X	X	X

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2804820

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 12
Cooler 1 Temp Upon Receipt: 2.4 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 9-15-23 15:21	Received by/Company: (Signature)	Date/Time: 9-15-23 1521
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company:	Billing Information:
Address: 524 Elmwood Blvd STE 190 Harahan, LA 70123	
Report To: Diana Day	Email To: Diana.Day@Terracon.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: JM3 JM5 Parcels Soil	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Greg Rellan	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [ ] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: 7 Days [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: EPH/TPH	EPH Recap SVOC	RCRA 8 Metals	Recap Metals	VOC	Recap VOC / VPH	Lab Profile/Line:
B-14 (0-4)	S	G	9-15-23	11:14				2	X		X				
B-14 (5-7)				11:03				2	X		X				
B-14 (14-16)				10:59				2	X		X				
B-15 (0-2)				11:57				6		X		X		X	
B-15 (2-4)				12:07				6		X		X		X	
B-15 (4-6)				12:00				6		X		X		X	
B-15 (14-16)				11:51				6		X		X		X	
~~B-17 (0-2)~~ DUP				11:06				~~6~~ 2	X	~~X~~	X	~~X~~		~~X~~	
B-19				11:03				6	X	X	X	X		X	
B-19				11:03				6	X	X	X	X		X	

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2804521

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y N NA
Custody Signatures Present	Y N NA
Collector Signature Present	Y N NA
Bottles Intact	Y N NA
Correct Bottles	Y N NA
Sufficient Volume	Y N NA
Samples Received on Ice	Y N NA
VOA - Headspace Acceptable	Y N NA
USDA Regulated Soils	Y N NA
Samples in Holding Time	Y N NA
Residual Chlorine Present	Y N NA
Cl Strips:	
Sample pH Acceptable	Y N NA
pH Strips:	
Sulfide Present	Y N NA
Lead Acetate Strips:	

LAB USE ONLY:
Lab Sample # / Comments:

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 12
Cooler 1 Temp Upon Receipt: 2.1 oC
Cooler 1 Therm Corr. Factor: oC
Cooler 1 Corrected Temp: oC
Comments:

Relinquished by/Company: (Signature)	Date/Time: 9-15-23 15:21	Received by/Company: (Signature)	Date/Time: 9/15/23 1521
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY

Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: of:

Pace

Sample Condition Upon Re

WO# : 20289592

PM: CAL Due Date: 09/27/23

CLIENT: 20-TERRACONN

W

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date: HMB / 9/16/2023

Means of receipt: ☐ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No	☐ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 1 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C: 2.4	(Actual/True)	Samples on ice ☑ Yes ☐ No; pH Strip Lot #
Cooler #2	Cooler Temp °C: 2.1	(Actual/True)	
Cooler #3	Cooler Temp °C:	(Actual/True)	Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None
Cooler #4	Cooler Temp °C:	(Actual/True)	

Tracking #:

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☐ Yes	☑ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☐ Yes	☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☑ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☐ Yes	☐ No	☑ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #:
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO3 H2SO4 NaOH Date: Time:

Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 15, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20289601001	**B-14 (0-2)**	Solid	09/14/23 10:45	09/15/23 12:20
20289601002	**B-14 (5-7)**	Solid	09/14/23 10:33	09/15/23 12:20
20289601003	**B-14 (14-16)**	Solid	09/14/23 10:30	09/15/23 12:20
20289601004	**FB-3**	Water	09/14/23 08:50	09/15/23 12:20
20289601005	**EB-2**	Water	09/14/23 11:01	09/15/23 12:20
20289601006	**B-15 (0-2)**	Solid	09/14/23 11:19	09/15/23 12:20
20289601007	**B-15 (2-4)**	Solid	09/14/23 11:30	09/15/23 12:20
20289601008	**B-15 (6-8)**	Solid	09/14/23 11:22	09/15/23 12:20
20289601009	**B-15 (14-16)**	Solid	09/14/23 11:17	09/15/23 12:20
20289601010	**B-16 (0-2)**	Solid	09/14/23 12:48	09/15/23 12:20
20289601011	**B-16 (2-4)**	Solid	09/14/23 13:03	09/15/23 12:20
20289601012	**B-16 (9-11)**	Solid	09/14/23 12:50	09/15/23 12:20
20289601013	**B-16 (14-16)**	Solid	09/14/23 12:44	09/15/23 12:20
20289601014	**B-17 (0-2)**	Solid	09/14/23 14:06	09/15/23 12:20
20289601015	**B-17 (6-8)**	Solid	09/14/23 13:53	09/15/23 12:20
20289601016	**B-17 (14-16)**	Solid	09/14/23 13:48	09/15/23 12:20
20289601017	**B-20 (0-2)**	Solid	09/14/23 15:03	09/15/23 12:20
20289601018	**B-20 (2-4)**	Solid	09/14/23 15:25	09/15/23 12:20
20289601019	**B-20 (5-7)**	Solid	09/14/23 15:15	09/15/23 12:20
20289601020	**B-20 (14-16)**	Solid	09/14/23 14:56	09/15/23 12:20
20289601021	**Dup-2**	Solid	09/14/23 10:38	09/15/23 12:20

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20289601001	**B-14 (0-2)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289601002	**B-14 (5-7)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	AMG	20	PAN
20289601003	**B-14 (14-16)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289601004	**FB-3**	EPH	JDG	11	PAN
		EPA 6020A	MHB1	15	PASI-N
		EPA 7470	ARW	1	PASI-N
		EPA 8270E by SIM	DLH	20	PAN
20289601005	**EB-2**	EPH	JDG	11	PAN
		EPA 6020A	MHB1	15	PASI-N
		EPA 7470	ARW	1	PASI-N
		EPA 8270E by SIM	DLH	20	PAN
20289601006	**B-15 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289601007	**B-15 (2-4)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289601008	**B-15 (6-8)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 8260	JRP	43	PASI-N
20289601009	**B-15 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289601010	**B-16 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289601011	**B-16 (2-4)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289601012	**B-16 (9-11)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289601013	**B-16 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E	AGW	64	PAN
		EPA 8260	JRP	43	PASI-N
20289601014	**B-17 (0-2)**	EPH	DMG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289601015	**B-17 (6-8)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289601016	**B-17 (14-16)**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289601017	**B-20 (0-2)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	AMG	20	PAN
		EPA 8260	JRP	43	PASI-N
20289601018	**B-20 (2-4)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
		EPA 8260	JRP	43	PASI-N
20289601019	**B-20 (5-7)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
		EPA 8260	JRP	43	PASI-N
20289601020	**B-20 (14-16)**	EPH	JDG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6010	AJS	15	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
		EPA 8260	JRP	43	PASI-N
20289601021	**Dup-2**	EPH	JDG	11	PAN
		EPA 6010	AJS	7	PASI-N
		EPA 7471	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Date: December 05, 2023

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
21 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2137358

B: Analyte was detected in the associated method blank.
- R3976996-1 (Lab ID: R3976996-1)
  - Aliphatic (>C16-C35)

QC Batch: 2137503

B: Analyte was detected in the associated method blank.
- R3977782-1 (Lab ID: R3977782-1)
  - Aliphatic (>C16-C35)

QC Batch: 2141715

B: Analyte was detected in the associated method blank.
- R3980301-1 (Lab ID: R3980301-1)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
12 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299800

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPA 6010**
Description: 6010 Metals, Total
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
19 samples were analyzed for EPA 6010 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3050 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299568

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289601002

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1434557)
  - Antimony
  - Barium
- MSD (Lab ID: 1434558)
  - Antimony
  - Barium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
2 samples were analyzed for EPA 6020A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 299567

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289583011

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1434553)
  - Barium
- MSD (Lab ID: 1434554)
  - Barium

Additional Comments:

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
2 samples were analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPA 7471**
Description: 7471 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
19 samples were analyzed for EPA 7471 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7471 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
13 samples were analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2135279

B: Analyte was detected in the associated method blank.

- R3977230-2 (Lab ID: R3977230-2)
  - Benzo(a)anthracene
  - Benzo(b)fluoranthene
  - Benzo(k)fluoranthene
  - Chrysene
  - Dibenz(a,h)anthracene
  - Fluoranthene
  - Indeno(1,2,3-cd)pyrene
  - Pyrene

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
8 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Method: **EPA 8260**
Description: 8260 MSV 5035 Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
12 samples were analyzed for EPA 8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 5035/5030B with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 300329

A matrix spike/matrix spike duplicate was not performed due to insufficient sample volume.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-14 (0-2) **Lab ID: 20289601001** Collected: 09/14/23 10:45 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 15:47		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 15:47		
Aliphatic (>C16-C35)	**2.89J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 15:47	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:54		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:54		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:54		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:54		
Surrogates										
o-Terphenyl (S)	73.8	%	40.0-140			1	09/21/23 12:25	09/24/23 03:54	84-15-1	
1-Chloro-octadecane (S)	74.2	%	40.0-140			1	09/21/23 12:25	09/23/23 15:47		
2-Fluorobiphenyl (S)	86.2	%	40.0-140			1	09/21/23 12:25	09/24/23 03:54	321-60-8	
2-Bromonaphthalene (S)	88.3	%	40.0-140			1	09/21/23 12:25	09/24/23 03:54	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**7.4**	mg/kg	1.9	0.89	12	2	09/19/23 07:37	09/20/23 15:59	7440-38-2	
Barium	**135**	mg/kg	37.0	1.8	550	2	09/19/23 07:37	09/20/23 15:59	7440-39-3	
Cadmium	ND	mg/kg	0.93	0.13	3.9	2	09/19/23 07:37	09/20/23 15:59	7440-43-9	
Chromium	**12.9**	mg/kg	1.9	0.83	100	2	09/19/23 07:37	09/20/23 15:59	7440-47-3	
Lead	**64.8**	mg/kg	0.93	0.59	100	2	09/19/23 07:37	09/20/23 15:59	7439-92-1	
Selenium	**1.7J**	mg/kg	3.7	1.1	20	2	09/19/23 07:37	09/20/23 15:59	7782-49-2	
Silver	ND	mg/kg	1.9	0.48	39	2	09/19/23 07:37	09/20/23 15:59	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.065**	mg/kg	0.018	0.012		1	09/19/23 07:51	09/20/23 10:35	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 10:33	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 10:33	83-32-9	
Acenaphthylene	**0.00299J**	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 10:33	208-96-8	J
Benzo(a)anthracene	**0.0183**	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 10:33	56-55-3	
Benzo(a)pyrene	**0.0219**	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 10:33	50-32-8	
Benzo(b)fluoranthene	**0.0317**	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 10:33	205-99-2	
Benzo(k)fluoranthene	**0.00930**	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 10:33	207-08-9	
Chrysene	**0.0228**	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 10:33	218-01-9	
Dibenz(a,h)anthracene	**0.00393J**	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 10:33	53-70-3	J
Fluoranthene	**0.0317**	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 10:33	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 10:33	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0240**	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 10:33	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-14 (0-2) **Lab ID: 20289601001** Collected: 09/14/23 10:45 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Naphthalene	**0.00652J**	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 10:33	91-20-3	J
Phenanthrene	**0.0127**	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 10:33	85-01-8	
Pyrene	**0.0257**	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 10:33	129-00-0	
2-Methylnaphthalene	**0.00816J**	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 10:33	91-57-6	J
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 10:33	91-58-7	
Surrogates										
Terphenyl-d14 (S)	71.2	%	23.0-120			1	09/25/23 19:36	09/26/23 10:33	1718-51-0	
Nitrobenzene-d5 (S)	82.0	%	14.0-149			1	09/25/23 19:36	09/26/23 10:33	4165-60-0	
2-Fluorobiphenyl (S)	69.8	%	34.0-125			1	09/25/23 19:36	09/26/23 10:33	321-60-8	

Sample: B-14 (5-7) **Lab ID: 20289601002** Collected: 09/14/23 10:33 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 11:46		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 11:46		
Aliphatic (>C16-C35)	**2.24J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 11:46	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:54		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:54		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:54		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/23/23 23:54		
Surrogates										
o-Terphenyl (S)	68.8	%	40.0-140			1	09/21/23 12:25	09/23/23 23:54	84-15-1	
1-Chloro-octadecane (S)	70.0	%	40.0-140			1	09/21/23 12:25	09/23/23 11:46		
2-Fluorobiphenyl (S)	84.8	%	40.0-140			1	09/21/23 12:25	09/23/23 23:54	321-60-8	
2-Bromonaphthalene (S)	88.5	%	40.0-140			1	09/21/23 12:25	09/23/23 23:54	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.7**	mg/kg	1.4	0.69	12	2	09/19/23 07:37	09/20/23 16:03	7440-38-2	
Barium	**116**	mg/kg	28.6	1.4	550	2	09/19/23 07:37	09/20/23 16:03	7440-39-3	M1
Cadmium	ND	mg/kg	0.71	0.10	3.9	2	09/19/23 07:37	09/20/23 16:03	7440-43-9	
Chromium	**12.4**	mg/kg	1.4	0.64	100	2	09/19/23 07:37	09/20/23 16:03	7440-47-3	
Lead	**7.7**	mg/kg	0.71	0.46	100	2	09/19/23 07:37	09/20/23 16:03	7439-92-1	
Selenium	ND	mg/kg	2.9	0.84	20	2	09/19/23 07:37	09/20/23 16:03	7782-49-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-14 (5-7) **Lab ID: 20289601002** Collected: 09/14/23 10:33 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans								
Silver	ND	mg/kg	1.4	0.37	39	2	09/19/23 07:37	09/20/23 16:03	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.018**	mg/kg	0.018	0.011		1	09/19/23 07:51	09/20/23 10:38	7439-97-6	
SVOA (GC/MS) 8270E-SIM		Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet								
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 07:02	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 07:02	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 07:02	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 07:02	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 07:02	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 07:02	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 07:02	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 07:02	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 07:02	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 07:02	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 07:02	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 07:02	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 07:02	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 07:02	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 07:02	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 07:02	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 07:02	91-58-7	
Surrogates										
Terphenyl-d14 (S)	77.2	%	23.0-120			1	09/25/23 19:36	09/26/23 07:02	1718-51-0	
Nitrobenzene-d5 (S)	72.1	%	14.0-149			1	09/25/23 19:36	09/26/23 07:02	4165-60-0	
2-Fluorobiphenyl (S)	61.3	%	34.0-125			1	09/25/23 19:36	09/26/23 07:02	321-60-8	

Sample: B-14 (14-16) **Lab ID: 20289601003** Collected: 09/14/23 10:30 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH		Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet								
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 12:58		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 12:58		
Aliphatic (>C16-C35)	**2.79J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 12:58	TPHC16C35	B,J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-14 (14-16) **Lab ID: 20289601003** Collected: 09/14/23 10:30 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:06		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:06		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:06		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:06		
Surrogates										
o-Terphenyl (S)	72.1	%	40.0-140			1	09/21/23 12:25	09/24/23 01:06	84-15-1	
1-Chloro-octadecane (S)	75.0	%	40.0-140			1	09/21/23 12:25	09/23/23 12:58		
2-Fluorobiphenyl (S)	84.6	%	40.0-140			1	09/21/23 12:25	09/24/23 01:06	321-60-8	
2-Bromonaphthalene (S)	86.7	%	40.0-140			1	09/21/23 12:25	09/24/23 01:06	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.4**	mg/kg	1.5	0.74	12	2	09/19/23 07:37	09/20/23 16:18	7440-38-2	
Barium	**105**	mg/kg	30.8	1.5	550	2	09/19/23 07:37	09/20/23 16:18	7440-39-3	
Cadmium	ND	mg/kg	0.77	0.11	3.9	2	09/19/23 07:37	09/20/23 16:18	7440-43-9	
Chromium	**16.6**	mg/kg	1.5	0.69	100	2	09/19/23 07:37	09/20/23 16:18	7440-47-3	
Lead	**7.2**	mg/kg	0.77	0.49	100	2	09/19/23 07:37	09/20/23 16:18	7439-92-1	
Selenium	ND	mg/kg	3.1	0.90	20	2	09/19/23 07:37	09/20/23 16:18	7782-49-2	
Silver	ND	mg/kg	1.5	0.40	39	2	09/19/23 07:37	09/20/23 16:18	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.016**	mg/kg	0.014	0.0093		1	09/19/23 07:51	09/20/23 10:45	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 07:55	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 07:55	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 07:55	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 07:55	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 07:55	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 07:55	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 07:55	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 07:55	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 07:55	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 07:55	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 07:55	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 07:55	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 07:55	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 07:55	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 07:55	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-14 (14-16) **Lab ID: 20289601003** Collected: 09/14/23 10:30 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 07:55	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 07:55	91-58-7	
Surrogates										
Terphenyl-d14 (S)	79.7	%	23.0-120			1	09/25/23 19:36	09/26/23 07:55	1718-51-0	
Nitrobenzene-d5 (S)	73.4	%	14.0-149			1	09/25/23 19:36	09/26/23 07:55	4165-60-0	
2-Fluorobiphenyl (S)	78.7	%	34.0-125			1	09/25/23 19:36	09/26/23 07:55	321-60-8	

Sample: FB-3 **Lab ID: 20289601004** Collected: 09/14/23 08:50 Received: 09/15/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 00:59		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 00:59		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 00:59	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/21/23 09:50	09/23/23 17:39		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 17:39		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 17:39		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 17:39		
Surrogates										
o-Terphenyl (S)	86.9	%	40.0-140			1	09/21/23 09:50	09/23/23 17:39	84-15-1	
1-Chloro-octadecane (S)	69.5	%	40.0-140			1	09/21/23 09:50	09/23/23 00:59		
2-Fluorobiphenyl (S)	99.5	%	40.0-140			1	09/21/23 09:50	09/23/23 17:39	321-60-8	
2-Bromonaphthalene (S)	98.2	%	40.0-140			1	09/21/23 09:50	09/23/23 17:39	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0010	0.00034	.006	1	09/19/23 07:28	09/19/23 14:40	7440-36-0	
Arsenic	ND	mg/L	0.0010	0.00010	.01	1	09/19/23 07:28	09/19/23 14:40	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/19/23 07:28	09/19/23 14:40	7440-39-3	
Beryllium	ND	mg/L	0.0010	0.00021	.004	1	09/19/23 07:28	09/19/23 14:40	7440-41-7	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/19/23 07:28	09/19/23 14:40	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/19/23 07:28	09/19/23 14:40	7440-47-3	
Cobalt	ND	mg/L	0.0010	0.00012	.22	1	09/19/23 07:28	09/19/23 14:40	7440-48-4	
Copper	ND	mg/L	0.0030	0.0017	1.3	1	09/19/23 07:28	09/19/23 14:40	7440-50-8	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/19/23 07:28	09/19/23 14:40	7439-92-1	
Nickel	ND	mg/L	0.0010	0.00062	.073	1	09/19/23 07:28	09/19/23 14:40	7440-02-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: FB-3 **Lab ID: 20289601004** Collected: 09/14/23 08:50 Received: 09/15/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/19/23 07:28	09/19/23 14:40	7782-49-2	
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/19/23 07:28	09/19/23 14:40	7440-22-4	
Thallium	ND	mg/L	0.00050	0.00011	.002	1	09/19/23 07:28	09/19/23 14:40	7440-28-0	
Vanadium	ND	mg/L	0.0050	0.00023	.026	1	09/19/23 07:28	09/19/23 14:40	7440-62-2	
Zinc	ND	mg/L	0.010	0.0072	1.1	1	09/19/23 07:28	09/19/23 14:40	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/19/23 09:08	09/19/23 15:36	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/19/23 19:04	09/20/23 03:13	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/19/23 19:04	09/20/23 03:13	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:13	208-96-8	
Benzo(a)anthracene	**0.0000303 J**	mg/L	0.0000500	0.0000200		1	09/19/23 19:04	09/20/23 03:13	56-55-3	B,J
Benzo(a)pyrene	**0.0000275 J**	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:13	50-32-8	J
Benzo(b)fluoranthene	**0.0000377 J**	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:13	205-99-2	B,J
Benzo(k)fluoranthene	**0.0000321 J**	mg/L	0.0002500	0.0000200		1	09/19/23 19:04	09/20/23 03:13	207-08-9	B,J
Chrysene	**0.0000277 J**	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:13	218-01-9	B,J
Dibenz(a,h)anthracene	**0.0000419 J**	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:13	53-70-3	B,J
Fluoranthene	**0.0000308 J**	mg/L	0.0000500	0.0000110		1	09/19/23 19:04	09/20/23 03:13	206-44-0	B,J
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:13	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.0000486 J**	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:13	193-39-5	B,J
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/19/23 19:04	09/20/23 03:13	91-20-3	
Phenanthrene	**0.0000339 J**	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:13	85-01-8	J
Pyrene	**0.0000334 J**	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:13	129-00-0	B,J
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/19/23 19:04	09/20/23 03:13	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/19/23 19:04	09/20/23 03:13	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	73.5	%	11.0-135			1	09/19/23 19:04	09/20/23 03:13	4165-60-0	
2-Fluorobiphenyl (S)	74.5	%	32.0-120			1	09/19/23 19:04	09/20/23 03:13	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: FB-3 **Lab ID: 20289601004** Collected: 09/14/23 08:50 Received: 09/15/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Surrogates										
Terphenyl-d14 (S)	81.6	%	23.0-122			1	09/19/23 19:04	09/20/23 03:13	1718-51-0	

Sample: EB-2 **Lab ID: 20289601005** Collected: 09/14/23 11:01 Received: 09/15/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 01:21		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 01:21		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 01:21	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/21/23 09:50	09/23/23 18:02		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 18:02		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 18:02		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/21/23 09:50	09/23/23 18:02		
Surrogates										
o-Terphenyl (S)	82.7	%	40.0-140			1	09/21/23 09:50	09/23/23 18:02	84-15-1	
1-Chloro-octadecane (S)	55.6	%	40.0-140			1	09/21/23 09:50	09/23/23 01:21		
2-Fluorobiphenyl (S)	97.1	%	40.0-140			1	09/21/23 09:50	09/23/23 18:02	321-60-8	
2-Bromonaphthalene (S)	95.9	%	40.0-140			1	09/21/23 09:50	09/23/23 18:02	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0010	0.00034	.006	1	09/19/23 07:28	09/19/23 14:43	7440-36-0	
Arsenic	ND	mg/L	0.0010	0.00010	.01	1	09/19/23 07:28	09/19/23 14:43	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/19/23 07:28	09/19/23 14:43	7440-39-3	
Beryllium	ND	mg/L	0.0010	0.00021	.004	1	09/19/23 07:28	09/19/23 14:43	7440-41-7	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/19/23 07:28	09/19/23 14:43	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/19/23 07:28	09/19/23 14:43	7440-47-3	
Cobalt	ND	mg/L	0.0010	0.00012	.22	1	09/19/23 07:28	09/19/23 14:43	7440-48-4	
Copper	ND	mg/L	0.0030	0.0017	1.3	1	09/19/23 07:28	09/19/23 14:43	7440-50-8	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/19/23 07:28	09/19/23 14:43	7439-92-1	
Nickel	ND	mg/L	0.0010	0.00062	.073	1	09/19/23 07:28	09/19/23 14:43	7440-02-0	
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/19/23 07:28	09/19/23 14:43	7782-49-2	
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/19/23 07:28	09/19/23 14:43	7440-22-4	
Thallium	ND	mg/L	0.00050	0.00011	.002	1	09/19/23 07:28	09/19/23 14:43	7440-28-0	
Vanadium	ND	mg/L	0.0050	0.00023	.026	1	09/19/23 07:28	09/19/23 14:43	7440-62-2	
Zinc	ND	mg/L	0.010	0.0072	1.1	1	09/19/23 07:28	09/19/23 14:43	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: EB-2 **Lab ID: 20289601005** Collected: 09/14/23 11:01 Received: 09/15/23 12:20 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/19/23 09:08	09/19/23 15:43	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/19/23 19:04	09/20/23 03:32	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/19/23 19:04	09/20/23 03:32	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:32	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/19/23 19:04	09/20/23 03:32	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:32	50-32-8	
Benzo(b)fluoranthene	**0.0000205 J**	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:32	205-99-2	B,J
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/19/23 19:04	09/20/23 03:32	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:32	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:32	53-70-3	
Fluoranthene	**0.0000202 J**	mg/L	0.0000500	0.0000110		1	09/19/23 19:04	09/20/23 03:32	206-44-0	B,J
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:32	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:32	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/19/23 19:04	09/20/23 03:32	91-20-3	
Phenanthrene	**0.0000260 J**	mg/L	0.0000500	0.0000180		1	09/19/23 19:04	09/20/23 03:32	85-01-8	J
Pyrene	**0.0000204 J**	mg/L	0.0000500	0.0000170		1	09/19/23 19:04	09/20/23 03:32	129-00-0	B,J
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/19/23 19:04	09/20/23 03:32	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/19/23 19:04	09/20/23 03:32	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	69.2	%	11.0-135			1	09/19/23 19:04	09/20/23 03:32	4165-60-0	
2-Fluorobiphenyl (S)	70.3	%	32.0-120			1	09/19/23 19:04	09/20/23 03:32	321-60-8	
Terphenyl-d14 (S)	74.7	%	23.0-122			1	09/19/23 19:04	09/20/23 03:32	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (0-2) **Lab ID: 20289601006** Collected: 09/14/23 11:19 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 16:11		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 16:11		
Aliphatic (>C16-C35)	**2.95J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 16:11	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:18		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:18		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:18		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:18		
Surrogates										
o-Terphenyl (S)	76.0	%	40.0-140			1	09/21/23 12:25	09/24/23 04:18	84-15-1	
1-Chloro-octadecane (S)	80.7	%	40.0-140			1	09/21/23 12:25	09/23/23 16:11		
2-Fluorobiphenyl (S)	86.8	%	40.0-140			1	09/21/23 12:25	09/24/23 04:18	321-60-8	
2-Bromonaphthalene (S)	88.9	%	40.0-140			1	09/21/23 12:25	09/24/23 04:18	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3740	821	1200000	1	09/15/23 12:50	09/20/23 15:40		
Aliphatic (>C08-C10)	ND	ug/kg	3080	1020	120000	1	09/15/23 12:50	09/20/23 15:40		
Aromatic (>C08-C10)	ND	ug/kg	3080	295	65000	1	09/15/23 12:50	09/20/23 15:40		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1	09/15/23 12:50	09/20/23 15:40	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.8	0.73	3.1	2	09/19/23 07:37	09/20/23 16:22	7440-36-0	
Arsenic	**3.5**	mg/kg	1.6	0.77	12	2	09/19/23 07:37	09/20/23 16:22	7440-38-2	
Barium	**178**	mg/kg	32.3	1.6	550	2	09/19/23 07:37	09/20/23 16:22	7440-39-3	
Beryllium	**0.68J**	mg/kg	0.81	0.12	8	2	09/19/23 07:37	09/20/23 16:22	7440-41-7	
Cadmium	ND	mg/kg	0.81	0.11	3.9	2	09/19/23 07:37	09/20/23 16:22	7440-43-9	
Chromium	**21.6**	mg/kg	1.6	0.73	100	2	09/19/23 07:37	09/20/23 16:22	7440-47-3	
Cobalt	**7.8**	mg/kg	1.6	0.34	470	2	09/19/23 07:37	09/20/23 16:22	7440-48-4	
Copper	**26.0**	mg/kg	1.6	0.39	310	2	09/19/23 07:37	09/20/23 16:22	7440-50-8	
Lead	**20.8**	mg/kg	0.81	0.52	100	2	09/19/23 07:37	09/20/23 16:22	7439-92-1	
Nickel	**20.1**	mg/kg	6.5	5.2	160	2	09/19/23 07:37	09/20/23 16:22	7440-02-0	
Selenium	**1.2J**	mg/kg	3.2	0.95	20	2	09/19/23 07:37	09/20/23 16:22	7782-49-2	
Silver	ND	mg/kg	1.6	0.42	39	2	09/19/23 07:37	09/20/23 16:22	7440-22-4	
Thallium	ND	mg/kg	0.81	0.62	.55	2	09/19/23 07:37	09/20/23 16:22	7440-28-0	
Vanadium	**37.1**	mg/kg	8.1	3.3	55	2	09/19/23 07:37	09/20/23 16:22	7440-62-2	
Zinc	**77.1**	mg/kg	8.1	4.1	2300	2	09/19/23 07:37	09/20/23 16:22	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (0-2) **Lab ID: 20289601006** Collected: 09/14/23 11:19 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.026**	mg/kg	0.018	0.011		1	09/19/23 07:51	09/20/23 10:47	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/26/23 01:46	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/26/23 01:46	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/26/23 01:46	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/26/23 01:46	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/26/23 01:46	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/26/23 01:46	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/26/23 01:46	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/26/23 01:46	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 01:46	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 01:46	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/26/23 01:46	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/26/23 01:46	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/26/23 01:46	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/26/23 01:46	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 01:46	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/26/23 01:46	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/26/23 01:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/26/23 01:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/26/23 01:46	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/26/23 01:46	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/26/23 01:46	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 01:46	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/26/23 01:46	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/26/23 01:46	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/26/23 01:46	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/26/23 01:46	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/26/23 01:46	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/26/23 01:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/26/23 01:46	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/26/23 01:46	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/26/23 01:46	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 01:46	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 01:46	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/26/23 01:46	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/26/23 01:46	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/26/23 01:46	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/26/23 01:46	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/26/23 01:46	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (0-2) **Lab ID: 20289601006** Collected: 09/14/23 11:19 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/26/23 01:46	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 01:46	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/26/23 01:46	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 01:46	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/26/23 01:46	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/26/23 01:46	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/26/23 01:46	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/26/23 01:46	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 01:46	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/26/23 01:46	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/26/23 01:46	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/26/23 01:46	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 01:46	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/26/23 01:46	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/26/23 01:46	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/26/23 01:46	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/26/23 01:46	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 01:46	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 01:46	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 01:46	88-85-7	
Surrogates										
2-Fluorophenol (S)	52.9	%	12.0-120			1	09/23/23 08:33	09/26/23 01:46	367-12-4	
Phenol-d5 (S)	47.7	%	10.0-120			1	09/23/23 08:33	09/26/23 01:46	4165-62-2	
Nitrobenzene-d5 (S)	46.5	%	10.0-122			1	09/23/23 08:33	09/26/23 01:46	4165-60-0	
2-Fluorobiphenyl (S)	52.9	%	15.0-120			1	09/23/23 08:33	09/26/23 01:46	321-60-8	
2,4,6-Tribromophenol (S)	59.0	%	10.0-127			1	09/23/23 08:33	09/26/23 01:46	118-79-6	
Terphenyl-d14 (S)	61.6	%	10.0-120			1	09/23/23 08:33	09/26/23 01:46	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0063J**	mg/kg	0.0086	0.0038	1.5	1	09/15/23 12:30	09/22/23 17:19	67-64-1	
Benzene	ND	mg/kg	0.0043	0.0012	.051	1	09/15/23 12:30	09/22/23 17:19	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0043	0.0013	.92	1	09/15/23 12:30	09/22/23 17:19	75-27-4	
Bromoform	ND	mg/kg	0.0043	0.0014	1.8	1	09/15/23 12:30	09/22/23 17:19	75-25-2	
Bromomethane	ND	mg/kg	0.0043	0.0012	.04	1	09/15/23 12:30	09/22/23 17:19	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0086	0.0025	5	1	09/15/23 12:30	09/22/23 17:19	78-93-3	
Carbon disulfide	ND	mg/kg	0.0043	0.0013	11	1	09/15/23 12:30	09/22/23 17:19	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0043	0.00092	.11	1	09/15/23 12:30	09/22/23 17:19	56-23-5	
Chlorobenzene	ND	mg/kg	0.0043	0.0013	3	1	09/15/23 12:30	09/22/23 17:19	108-90-7	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (0-2) **Lab ID: 20289601006** Collected: 09/14/23 11:19 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0043	0.0011	.035	1	09/15/23 12:30	09/22/23 17:19	75-00-3	
Chloroform	ND	mg/kg	0.0043	0.0012	.044	1	09/15/23 12:30	09/22/23 17:19	67-66-3	
Chloromethane	ND	mg/kg	0.0043	0.0010	.1	1	09/15/23 12:30	09/22/23 17:19	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0043	0.0016	.01	1	09/15/23 12:30	09/22/23 17:19	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0043	0.0014	1	1	09/15/23 12:30	09/22/23 17:19	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0043	0.0013	7.5	1	09/15/23 12:30	09/22/23 17:19	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0043	0.0013	.035	1	09/15/23 12:30	09/22/23 17:19	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0043	0.0012	.085	1	09/15/23 12:30	09/22/23 17:19	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0012	.49	1	09/15/23 12:30	09/22/23 17:19	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0043	0.0011	.77	1	09/15/23 12:30	09/22/23 17:19	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0043	0.0013	.042	1	09/15/23 12:30	09/22/23 17:19	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0013	.04	1	09/15/23 12:30	09/22/23 17:19	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0043	0.0014	.04	1	09/15/23 12:30	09/22/23 17:19	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0043	0.0012	19	1	09/15/23 12:30	09/22/23 17:19	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.031	30	1	09/15/23 12:30	09/22/23 17:19	78-83-1	
Methylene Chloride	ND	mg/kg	0.0043	0.0040	.017	1	09/15/23 12:30	09/22/23 17:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0086	0.0016	6.4	1	09/15/23 12:30	09/22/23 17:19	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0043	0.0012	.077	1	09/15/23 12:30	09/22/23 17:19	1634-04-4	
Styrene	ND	mg/kg	0.0043	0.0014	11	1	09/15/23 12:30	09/22/23 17:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0013	.046	1	09/15/23 12:30	09/22/23 17:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0043	0.0016	.006	1	09/15/23 12:30	09/22/23 17:19	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0043	0.0012	.18	1	09/15/23 12:30	09/22/23 17:19	127-18-4	
Toluene	ND	mg/kg	0.0043	0.0018	20	1	09/15/23 12:30	09/22/23 17:19	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0043	0.0013	14	1	09/15/23 12:30	09/22/23 17:19	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0043	0.0011	4	1	09/15/23 12:30	09/22/23 17:19	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0043	0.0013	.058	1	09/15/23 12:30	09/22/23 17:19	79-00-5	
Trichloroethene	ND	mg/kg	0.0043	0.0012	.073	1	09/15/23 12:30	09/22/23 17:19	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0043	0.0011	37	1	09/15/23 12:30	09/22/23 17:19	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00096	.013	1	09/15/23 12:30	09/22/23 17:19	75-01-4	
m&p-Xylene	ND	mg/kg	0.0086	0.0028	18	1	09/15/23 12:30	09/22/23 17:19	179601-23-1	
o-Xylene	ND	mg/kg	0.0043	0.0013	18	1	09/15/23 12:30	09/22/23 17:19	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/15/23 12:30	09/22/23 17:19	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	64-139			1	09/15/23 12:30	09/22/23 17:19	460-00-4	
Dibromofluoromethane (S)	100	%.	66-143			1	09/15/23 12:30	09/22/23 17:19	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (2-4) **Lab ID: 20289601007** Collected: 09/14/23 11:30 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 16:35		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 16:35		
Aliphatic (>C16-C35)	**2.57J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 16:35	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:43		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:43		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:43		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 04:43		
Surrogates										
o-Terphenyl (S)	71.9	%	40.0-140			1	09/21/23 12:25	09/24/23 04:43	84-15-1	
1-Chloro-octadecane (S)	72.1	%	40.0-140			1	09/21/23 12:25	09/23/23 16:35		
2-Fluorobiphenyl (S)	83.5	%	40.0-140			1	09/21/23 12:25	09/24/23 04:43	321-60-8	
2-Bromonaphthalene (S)	85.4	%	40.0-140			1	09/21/23 12:25	09/24/23 04:43	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3660	802	1200000	1	09/15/23 12:50	09/20/23 16:05		
Aliphatic (>C08-C10)	ND	ug/kg	3010	1000	120000	1	09/15/23 12:50	09/20/23 16:05		
Aromatic (>C08-C10)	ND	ug/kg	3010	289	65000	1	09/15/23 12:50	09/20/23 16:05		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/15/23 12:50	09/20/23 16:05	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	5.1	0.76	3.1	2	09/19/23 07:37	09/20/23 16:34	7440-36-0	
Arsenic	**1.9**	mg/kg	1.7	0.81	12	2	09/19/23 07:37	09/20/23 16:34	7440-38-2	
Barium	**166**	mg/kg	33.9	1.7	550	2	09/19/23 07:37	09/20/23 16:34	7440-39-3	
Beryllium	**0.53J**	mg/kg	0.85	0.12	8	2	09/19/23 07:37	09/20/23 16:34	7440-41-7	
Cadmium	ND	mg/kg	0.85	0.12	3.9	2	09/19/23 07:37	09/20/23 16:34	7440-43-9	
Chromium	**17.9**	mg/kg	1.7	0.76	100	2	09/19/23 07:37	09/20/23 16:34	7440-47-3	
Cobalt	**5.9**	mg/kg	1.7	0.36	470	2	09/19/23 07:37	09/20/23 16:34	7440-48-4	
Copper	**12.7**	mg/kg	1.7	0.41	310	2	09/19/23 07:37	09/20/23 16:34	7440-50-8	
Lead	**12.0**	mg/kg	0.85	0.54	100	2	09/19/23 07:37	09/20/23 16:34	7439-92-1	
Nickel	**15.6**	mg/kg	6.8	5.4	160	2	09/19/23 07:37	09/20/23 16:34	7440-02-0	
Selenium	**1.1J**	mg/kg	3.4	0.99	20	2	09/19/23 07:37	09/20/23 16:34	7782-49-2	
Silver	ND	mg/kg	1.7	0.44	39	2	09/19/23 07:37	09/20/23 16:34	7440-22-4	
Thallium	ND	mg/kg	0.85	0.65	.55	2	09/19/23 07:37	09/20/23 16:34	7440-28-0	
Vanadium	**32.9**	mg/kg	8.5	3.5	55	2	09/19/23 07:37	09/20/23 16:34	7440-62-2	
Zinc	**50.1**	mg/kg	8.5	4.3	2300	2	09/19/23 07:37	09/20/23 16:34	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (2-4) **Lab ID: 20289601007** Collected: 09/14/23 11:30 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.025**	mg/kg	0.017	0.011		1	09/19/23 07:51	09/20/23 10:54	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/26/23 01:21	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/26/23 01:21	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/26/23 01:21	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/26/23 01:21	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/26/23 01:21	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/26/23 01:21	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/26/23 01:21	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/26/23 01:21	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 01:21	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 01:21	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/26/23 01:21	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/26/23 01:21	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/26/23 01:21	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/26/23 01:21	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 01:21	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/26/23 01:21	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/26/23 01:21	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/26/23 01:21	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/26/23 01:21	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/26/23 01:21	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/26/23 01:21	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 01:21	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/26/23 01:21	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/26/23 01:21	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/26/23 01:21	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/26/23 01:21	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/26/23 01:21	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/26/23 01:21	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/26/23 01:21	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/26/23 01:21	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/26/23 01:21	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 01:21	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 01:21	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/26/23 01:21	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/26/23 01:21	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/26/23 01:21	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/26/23 01:21	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/26/23 01:21	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (2-4) **Lab ID: 20289601007** Collected: 09/14/23 11:30 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/26/23 01:21	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 01:21	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/26/23 01:21	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 01:21	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/26/23 01:21	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/26/23 01:21	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/26/23 01:21	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/26/23 01:21	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 01:21	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/26/23 01:21	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/26/23 01:21	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/26/23 01:21	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 01:21	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/26/23 01:21	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/26/23 01:21	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/26/23 01:21	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/26/23 01:21	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 01:21	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 01:21	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 01:21	88-85-7	
Surrogates										
2-Fluorophenol (S)	57.8	%	12.0-120			1	09/23/23 08:33	09/26/23 01:21	367-12-4	
Phenol-d5 (S)	51.7	%	10.0-120			1	09/23/23 08:33	09/26/23 01:21	4165-62-2	
Nitrobenzene-d5 (S)	49.8	%	10.0-122			1	09/23/23 08:33	09/26/23 01:21	4165-60-0	
2-Fluorobiphenyl (S)	56.8	%	15.0-120			1	09/23/23 08:33	09/26/23 01:21	321-60-8	
2,4,6-Tribromophenol (S)	69.1	%	10.0-127			1	09/23/23 08:33	09/26/23 01:21	118-79-6	
Terphenyl-d14 (S)	64.4	%	10.0-120			1	09/23/23 08:33	09/26/23 01:21	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0078J**	mg/kg	0.0088	0.0039	1.5	1	09/15/23 12:30	09/22/23 17:38	67-64-1	
Benzene	ND	mg/kg	0.0044	0.0012	.051	1	09/15/23 12:30	09/22/23 17:38	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0044	0.0013	.92	1	09/15/23 12:30	09/22/23 17:38	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0014	1.8	1	09/15/23 12:30	09/22/23 17:38	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0012	.04	1	09/15/23 12:30	09/22/23 17:38	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0088	0.0026	5	1	09/15/23 12:30	09/22/23 17:38	78-93-3	
Carbon disulfide	ND	mg/kg	0.0044	0.0013	11	1	09/15/23 12:30	09/22/23 17:38	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.00094	.11	1	09/15/23 12:30	09/22/23 17:38	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0013	3	1	09/15/23 12:30	09/22/23 17:38	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (2-4) **Lab ID: 20289601007** Collected: 09/14/23 11:30 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0044	0.0011	.035	1	09/15/23 12:30	09/22/23 17:38	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0012	.044	1	09/15/23 12:30	09/22/23 17:38	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0011	.1	1	09/15/23 12:30	09/22/23 17:38	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0016	.01	1	09/15/23 12:30	09/22/23 17:38	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0044	0.0014	1	1	09/15/23 12:30	09/22/23 17:38	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0013	7.5	1	09/15/23 12:30	09/22/23 17:38	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0013	.035	1	09/15/23 12:30	09/22/23 17:38	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0012	.085	1	09/15/23 12:30	09/22/23 17:38	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	.49	1	09/15/23 12:30	09/22/23 17:38	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0011	.77	1	09/15/23 12:30	09/22/23 17:38	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0013	.042	1	09/15/23 12:30	09/22/23 17:38	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0013	.04	1	09/15/23 12:30	09/22/23 17:38	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0014	.04	1	09/15/23 12:30	09/22/23 17:38	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0012	19	1	09/15/23 12:30	09/22/23 17:38	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/15/23 12:30	09/22/23 17:38	78-83-1	
Methylene Chloride	ND	mg/kg	0.0044	0.0041	.017	1	09/15/23 12:30	09/22/23 17:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0088	0.0016	6.4	1	09/15/23 12:30	09/22/23 17:38	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0013	.077	1	09/15/23 12:30	09/22/23 17:38	1634-04-4	
Styrene	ND	mg/kg	0.0044	0.0014	11	1	09/15/23 12:30	09/22/23 17:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0013	.046	1	09/15/23 12:30	09/22/23 17:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0017	.006	1	09/15/23 12:30	09/22/23 17:38	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.0013	.18	1	09/15/23 12:30	09/22/23 17:38	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0019	20	1	09/15/23 12:30	09/22/23 17:38	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	14	1	09/15/23 12:30	09/22/23 17:38	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0011	4	1	09/15/23 12:30	09/22/23 17:38	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0013	.058	1	09/15/23 12:30	09/22/23 17:38	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.0013	.073	1	09/15/23 12:30	09/22/23 17:38	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0011	37	1	09/15/23 12:30	09/22/23 17:38	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00097	.013	1	09/15/23 12:30	09/22/23 17:38	75-01-4	
m&p-Xylene	ND	mg/kg	0.0088	0.0028	18	1	09/15/23 12:30	09/22/23 17:38	179601-23-1	
o-Xylene	ND	mg/kg	0.0044	0.0014	18	1	09/15/23 12:30	09/22/23 17:38	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/15/23 12:30	09/22/23 17:38	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	64-139			1	09/15/23 12:30	09/22/23 17:38	460-00-4	
Dibromofluoromethane (S)	100	%.	66-143			1	09/15/23 12:30	09/22/23 17:38	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (6-8) **Lab ID: 20289601008** Collected: 09/14/23 11:22 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 13:22		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 13:22		
Aliphatic (>C16-C35)	**2.39J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 13:22	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:30		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:30		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:30		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:30		
Surrogates										
o-Terphenyl (S)	77.7	%	40.0-140			1	09/21/23 12:25	09/24/23 01:30	84-15-1	
1-Chloro-octadecane (S)	78.7	%	40.0-140			1	09/21/23 12:25	09/23/23 13:22		
2-Fluorobiphenyl (S)	86.5	%	40.0-140			1	09/21/23 12:25	09/24/23 01:30	321-60-8	
2-Bromonaphthalene (S)	88.3	%	40.0-140			1	09/21/23 12:25	09/24/23 01:30	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3790	831	1200000	1	09/15/23 12:50	09/20/23 16:30		
Aliphatic (>C08-C10)	ND	ug/kg	3120	1040	120000	1	09/15/23 12:50	09/20/23 16:30		
Aromatic (>C08-C10)	ND	ug/kg	3120	299	65000	1	09/15/23 12:50	09/20/23 16:30		
Surrogates										
4-Bromofluorobenzene (S)	94	%.	63-133			1	09/15/23 12:50	09/20/23 16:30	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.6	0.69	3.1	2	09/19/23 07:37	09/20/23 16:38	7440-36-0	
Arsenic	**4.2**	mg/kg	1.5	0.74	12	2	09/19/23 07:37	09/20/23 16:38	7440-38-2	
Barium	**175**	mg/kg	30.8	1.5	550	2	09/19/23 07:37	09/20/23 16:38	7440-39-3	
Beryllium	**0.39J**	mg/kg	0.77	0.11	8	2	09/19/23 07:37	09/20/23 16:38	7440-41-7	
Cadmium	ND	mg/kg	0.77	0.11	3.9	2	09/19/23 07:37	09/20/23 16:38	7440-43-9	
Chromium	**15.7**	mg/kg	1.5	0.69	100	2	09/19/23 07:37	09/20/23 16:38	7440-47-3	
Cobalt	**7.9**	mg/kg	1.5	0.32	470	2	09/19/23 07:37	09/20/23 16:38	7440-48-4	
Copper	**11.2**	mg/kg	1.5	0.37	310	2	09/19/23 07:37	09/20/23 16:38	7440-50-8	
Lead	**9.2**	mg/kg	0.77	0.49	100	2	09/19/23 07:37	09/20/23 16:38	7439-92-1	
Nickel	**15.1**	mg/kg	6.2	4.9	160	2	09/19/23 07:37	09/20/23 16:38	7440-02-0	
Selenium	ND	mg/kg	3.1	0.90	20	2	09/19/23 07:37	09/20/23 16:38	7782-49-2	
Silver	ND	mg/kg	1.5	0.40	39	2	09/19/23 07:37	09/20/23 16:38	7440-22-4	
Thallium	ND	mg/kg	0.77	0.59	.55	2	09/19/23 07:37	09/20/23 16:38	7440-28-0	
Vanadium	**28.5**	mg/kg	7.7	3.1	55	2	09/19/23 07:37	09/20/23 16:38	7440-62-2	
Zinc	**46.0**	mg/kg	7.7	3.9	2300	2	09/19/23 07:37	09/20/23 16:38	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (6-8) **Lab ID: 20289601008** Collected: 09/14/23 11:22 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.027**	mg/kg	0.014	0.0089		1	09/19/23 07:51	09/20/23 10:57	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 17:02	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 17:02	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 17:02	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 17:02	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 17:02	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 17:02	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 17:02	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 17:02	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 17:02	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:02	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 17:02	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 17:02	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 17:02	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 17:02	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 17:02	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 17:02	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 17:02	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 17:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 17:02	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 17:02	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 17:02	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 17:02	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 17:02	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 17:02	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 17:02	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 17:02	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 17:02	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 17:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 17:02	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 17:02	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 17:02	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 17:02	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 17:02	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 17:02	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 17:02	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 17:02	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 17:02	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 17:02	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (6-8) **Lab ID: 20289601008** Collected: 09/14/23 11:22 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 17:02	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 17:02	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 17:02	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:02	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 17:02	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 17:02	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 17:02	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 17:02	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:02	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 17:02	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 17:02	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 17:02	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 17:02	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 17:02	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 17:02	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 17:02	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 17:02	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 17:02	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 13:24	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 13:24	88-85-7	
Surrogates										
2-Fluorophenol (S)	56.6	%	12.0-120			1	09/23/23 08:33	09/23/23 17:02	367-12-4	
Phenol-d5 (S)	51.2	%	10.0-120			1	09/23/23 08:33	09/23/23 17:02	4165-62-2	
Nitrobenzene-d5 (S)	44.4	%	10.0-122			1	09/23/23 08:33	09/23/23 17:02	4165-60-0	
2-Fluorobiphenyl (S)	50.2	%	15.0-120			1	09/23/23 08:33	09/23/23 17:02	321-60-8	
2,4,6-Tribromophenol (S)	43.7	%	10.0-127			1	09/23/23 08:33	09/23/23 17:02	118-79-6	
Terphenyl-d14 (S)	56.5	%	10.0-120			1	09/23/23 08:33	09/23/23 17:02	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0096	0.0042	1.5	1	09/15/23 12:30	09/22/23 17:57	67-64-1	
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/15/23 12:30	09/22/23 17:57	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0014	.92	1	09/15/23 12:30	09/22/23 17:57	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/15/23 12:30	09/22/23 17:57	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/15/23 12:30	09/22/23 17:57	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0096	0.0028	5	1	09/15/23 12:30	09/22/23 17:57	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/15/23 12:30	09/22/23 17:57	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/15/23 12:30	09/22/23 17:57	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/15/23 12:30	09/22/23 17:57	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (6-8) **Lab ID: 20289601008** Collected: 09/14/23 11:22 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/15/23 12:30	09/22/23 17:57	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0013	.044	1	09/15/23 12:30	09/22/23 17:57	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/15/23 12:30	09/22/23 17:57	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/15/23 12:30	09/22/23 17:57	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/15/23 12:30	09/22/23 17:57	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0014	7.5	1	09/15/23 12:30	09/22/23 17:57	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/15/23 12:30	09/22/23 17:57	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0013	.085	1	09/15/23 12:30	09/22/23 17:57	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/15/23 12:30	09/22/23 17:57	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/15/23 12:30	09/22/23 17:57	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0015	.042	1	09/15/23 12:30	09/22/23 17:57	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/15/23 12:30	09/22/23 17:57	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0015	.04	1	09/15/23 12:30	09/22/23 17:57	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/15/23 12:30	09/22/23 17:57	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/15/23 12:30	09/22/23 17:57	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0044	.017	1	09/15/23 12:30	09/22/23 17:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0096	0.0018	6.4	1	09/15/23 12:30	09/22/23 17:57	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/15/23 12:30	09/22/23 17:57	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0015	11	1	09/15/23 12:30	09/22/23 17:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/15/23 12:30	09/22/23 17:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0018	.006	1	09/15/23 12:30	09/22/23 17:57	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/15/23 12:30	09/22/23 17:57	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0020	20	1	09/15/23 12:30	09/22/23 17:57	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0014	14	1	09/15/23 12:30	09/22/23 17:57	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/15/23 12:30	09/22/23 17:57	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0014	.058	1	09/15/23 12:30	09/22/23 17:57	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/15/23 12:30	09/22/23 17:57	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/15/23 12:30	09/22/23 17:57	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/15/23 12:30	09/22/23 17:57	75-01-4	
m&p-Xylene	ND	mg/kg	0.0096	0.0031	18	1	09/15/23 12:30	09/22/23 17:57	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/15/23 12:30	09/22/23 17:57	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/15/23 12:30	09/22/23 17:57	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	64-139			1	09/15/23 12:30	09/22/23 17:57	460-00-4	
Dibromofluoromethane (S)	97	%.	66-143			1	09/15/23 12:30	09/22/23 17:57	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (14-16) **Lab ID: 20289601009** Collected: 09/14/23 11:17 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 13:47		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 13:47		
Aliphatic (>C16-C35)	**2.88J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 13:47	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:54		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:54		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:54		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 01:54		
Surrogates										
o-Terphenyl (S)	71.3	%	40.0-140			1	09/21/23 12:25	09/24/23 01:54	84-15-1	
1-Chloro-octadecane (S)	72.9	%	40.0-140			1	09/21/23 12:25	09/23/23 13:47		
2-Fluorobiphenyl (S)	80.2	%	40.0-140			1	09/21/23 12:25	09/24/23 01:54	321-60-8	
2-Bromonaphthalene (S)	82.1	%	40.0-140			1	09/21/23 12:25	09/24/23 01:54	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4470	981	1200000	1	09/15/23 12:50	09/20/23 16:56		
Aliphatic (>C08-C10)	ND	ug/kg	3680	1230	120000	1	09/15/23 12:50	09/20/23 16:56		
Aromatic (>C08-C10)	ND	ug/kg	3680	353	65000	1	09/15/23 12:50	09/20/23 16:56		
Surrogates										
4-Bromofluorobenzene (S)	90	%.	63-133			1	09/15/23 12:50	09/20/23 16:56	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.1	0.62	3.1	2	09/19/23 07:37	09/20/23 16:41	7440-36-0	
Arsenic	**3.7**	mg/kg	1.4	0.66	12	2	09/19/23 07:37	09/20/23 16:41	7440-38-2	
Barium	**100**	mg/kg	27.4	1.3	550	2	09/19/23 07:37	09/20/23 16:41	7440-39-3	
Beryllium	**0.20J**	mg/kg	0.68	0.10	8	2	09/19/23 07:37	09/20/23 16:41	7440-41-7	
Cadmium	ND	mg/kg	0.68	0.097	3.9	2	09/19/23 07:37	09/20/23 16:41	7440-43-9	
Chromium	**9.7**	mg/kg	1.4	0.62	100	2	09/19/23 07:37	09/20/23 16:41	7440-47-3	
Cobalt	**5.1**	mg/kg	1.4	0.29	470	2	09/19/23 07:37	09/20/23 16:41	7440-48-4	
Copper	**8.9**	mg/kg	1.4	0.33	310	2	09/19/23 07:37	09/20/23 16:41	7440-50-8	
Lead	**6.8**	mg/kg	0.68	0.44	100	2	09/19/23 07:37	09/20/23 16:41	7439-92-1	
Nickel	**11.7**	mg/kg	5.5	4.4	160	2	09/19/23 07:37	09/20/23 16:41	7440-02-0	
Selenium	**0.92J**	mg/kg	2.7	0.80	20	2	09/19/23 07:37	09/20/23 16:41	7782-49-2	
Silver	ND	mg/kg	1.4	0.35	39	2	09/19/23 07:37	09/20/23 16:41	7440-22-4	
Thallium	ND	mg/kg	0.68	0.53	.55	2	09/19/23 07:37	09/20/23 16:41	7440-28-0	
Vanadium	**17.1**	mg/kg	6.8	2.8	55	2	09/19/23 07:37	09/20/23 16:41	7440-62-2	
Zinc	**30.9**	mg/kg	6.8	3.5	2300	2	09/19/23 07:37	09/20/23 16:41	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (14-16) **Lab ID: 20289601009** Collected: 09/14/23 11:17 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.012J**	mg/kg	0.015	0.010		1	09/19/23 07:51	09/20/23 10:59	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 17:24	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 17:24	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 17:24	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 17:24	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 17:24	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 17:24	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 17:24	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 17:24	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 17:24	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:24	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 17:24	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 17:24	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 17:24	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 17:24	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 17:24	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 17:24	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 17:24	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 17:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 17:24	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 17:24	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 17:24	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 17:24	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 17:24	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 17:24	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 17:24	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 17:24	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 17:24	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 17:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 17:24	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 17:24	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 17:24	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 17:24	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 17:24	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 17:24	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 17:24	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 17:24	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 17:24	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 17:24	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (14-16) **Lab ID: 20289601009** Collected: 09/14/23 11:17 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 17:24	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 17:24	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 17:24	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:24	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 17:24	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 17:24	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 17:24	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 17:24	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:24	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 17:24	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 17:24	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 17:24	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 17:24	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 17:24	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 17:24	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 17:24	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 17:24	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 17:24	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 13:50	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 13:50	88-85-7	
Surrogates										
2-Fluorophenol (S)	49.8	%	12.0-120			1	09/23/23 08:33	09/23/23 17:24	367-12-4	
Phenol-d5 (S)	45.6	%	10.0-120			1	09/23/23 08:33	09/23/23 17:24	4165-62-2	
Nitrobenzene-d5 (S)	39.4	%	10.0-122			1	09/23/23 08:33	09/23/23 17:24	4165-60-0	
2-Fluorobiphenyl (S)	41.6	%	15.0-120			1	09/23/23 08:33	09/23/23 17:24	321-60-8	
2,4,6-Tribromophenol (S)	34.1	%	10.0-127			1	09/23/23 08:33	09/23/23 17:24	118-79-6	
Terphenyl-d14 (S)	47.6	%	10.0-120			1	09/23/23 08:33	09/23/23 17:24	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.012J**	mg/kg	0.016	0.0069	1.5	1	09/15/23 12:30	09/22/23 18:16	67-64-1	
Benzene	ND	mg/kg	0.0079	0.0022	.051	1	09/15/23 12:30	09/22/23 18:16	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0079	0.0024	.92	1	09/15/23 12:30	09/22/23 18:16	75-27-4	
Bromoform	ND	mg/kg	0.0079	0.0026	1.8	1	09/15/23 12:30	09/22/23 18:16	75-25-2	
Bromomethane	ND	mg/kg	0.0079	0.0022	.04	1	09/15/23 12:30	09/22/23 18:16	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.016	0.0046	5	1	09/15/23 12:30	09/22/23 18:16	78-93-3	
Carbon disulfide	ND	mg/kg	0.0079	0.0023	11	1	09/15/23 12:30	09/22/23 18:16	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0079	0.0017	.11	1	09/15/23 12:30	09/22/23 18:16	56-23-5	
Chlorobenzene	ND	mg/kg	0.0079	0.0023	3	1	09/15/23 12:30	09/22/23 18:16	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-15 (14-16) **Lab ID: 20289601009** Collected: 09/14/23 11:17 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0079	0.0020	.035	1	09/15/23 12:30	09/22/23 18:16	75-00-3	
Chloroform	ND	mg/kg	0.0079	0.0022	.044	1	09/15/23 12:30	09/22/23 18:16	67-66-3	
Chloromethane	ND	mg/kg	0.0079	0.0019	.1	1	09/15/23 12:30	09/22/23 18:16	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0079	0.0028	.01	1	09/15/23 12:30	09/22/23 18:16	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0079	0.0025	1	1	09/15/23 12:30	09/22/23 18:16	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0079	0.0024	7.5	1	09/15/23 12:30	09/22/23 18:16	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0079	0.0024	.035	1	09/15/23 12:30	09/22/23 18:16	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0079	0.0022	.085	1	09/15/23 12:30	09/22/23 18:16	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0079	0.0022	.49	1	09/15/23 12:30	09/22/23 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0079	0.0020	.77	1	09/15/23 12:30	09/22/23 18:16	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0079	0.0024	.042	1	09/15/23 12:30	09/22/23 18:16	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0079	0.0023	.04	1	09/15/23 12:30	09/22/23 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0079	0.0025	.04	1	09/15/23 12:30	09/22/23 18:16	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0079	0.0022	19	1	09/15/23 12:30	09/22/23 18:16	100-41-4	
Isobutanol	ND	mg/kg	0.39	0.057	30	1	09/15/23 12:30	09/22/23 18:16	78-83-1	
Methylene Chloride	ND	mg/kg	0.0079	0.0073	.017	1	09/15/23 12:30	09/22/23 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.016	0.0029	6.4	1	09/15/23 12:30	09/22/23 18:16	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0079	0.0023	.077	1	09/15/23 12:30	09/22/23 18:16	1634-04-4	
Styrene	ND	mg/kg	0.0079	0.0025	11	1	09/15/23 12:30	09/22/23 18:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0079	0.0023	.046	1	09/15/23 12:30	09/22/23 18:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0079	0.0030	.006	1	09/15/23 12:30	09/22/23 18:16	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0079	0.0023	.18	1	09/15/23 12:30	09/22/23 18:16	127-18-4	
Toluene	ND	mg/kg	0.0079	0.0033	20	1	09/15/23 12:30	09/22/23 18:16	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0079	0.0024	14	1	09/15/23 12:30	09/22/23 18:16	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0079	0.0020	4	1	09/15/23 12:30	09/22/23 18:16	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0079	0.0024	.058	1	09/15/23 12:30	09/22/23 18:16	79-00-5	
Trichloroethene	ND	mg/kg	0.0079	0.0023	.073	1	09/15/23 12:30	09/22/23 18:16	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0079	0.0019	37	1	09/15/23 12:30	09/22/23 18:16	75-69-4	
Vinyl chloride	ND	mg/kg	0.0032	0.0018	.013	1	09/15/23 12:30	09/22/23 18:16	75-01-4	
m&p-Xylene	ND	mg/kg	0.016	0.0051	18	1	09/15/23 12:30	09/22/23 18:16	179601-23-1	
o-Xylene	ND	mg/kg	0.0079	0.0025	18	1	09/15/23 12:30	09/22/23 18:16	95-47-6	
Surrogates										
Toluene-d8 (S)	98	%.	75-125			1	09/15/23 12:30	09/22/23 18:16	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	64-139			1	09/15/23 12:30	09/22/23 18:16	460-00-4	
Dibromofluoromethane (S)	95	%.	66-143			1	09/15/23 12:30	09/22/23 18:16	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (0-2) **Lab ID: 20289601010** Collected: 09/14/23 12:48 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 14:11		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 14:11		
Aliphatic (>C16-C35)	**2.48J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 14:11	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:18		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:18		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:18		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:18		
Surrogates										
o-Terphenyl (S)	47.5	%	40.0-140			1	09/21/23 12:25	09/24/23 02:18	84-15-1	
1-Chloro-octadecane (S)	47.2	%	40.0-140			1	09/21/23 12:25	09/23/23 14:11		
2-Fluorobiphenyl (S)	85.4	%	40.0-140			1	09/21/23 12:25	09/24/23 02:18	321-60-8	
2-Bromonaphthalene (S)	87.3	%	40.0-140			1	09/21/23 12:25	09/24/23 02:18	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3630	797	1200000	1	09/15/23 12:50	09/20/23 17:21		
Aliphatic (>C08-C10)	ND	ug/kg	2990	995	120000	1	09/15/23 12:50	09/20/23 17:21		
Aromatic (>C08-C10)	ND	ug/kg	2990	287	65000	1	09/15/23 12:50	09/20/23 17:21		
Surrogates										
4-Bromofluorobenzene (S)	91	%.	63-133			1	09/15/23 12:50	09/20/23 17:21	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	5.4	0.80	3.1	2	09/19/23 07:37	09/20/23 16:45	7440-36-0	
Arsenic	**4.9**	mg/kg	1.8	0.86	12	2	09/19/23 07:37	09/20/23 16:45	7440-38-2	
Barium	**130**	mg/kg	35.7	1.8	550	2	09/19/23 07:37	09/20/23 16:45	7440-39-3	
Beryllium	**0.24J**	mg/kg	0.89	0.13	8	2	09/19/23 07:37	09/20/23 16:45	7440-41-7	
Cadmium	ND	mg/kg	0.89	0.13	3.9	2	09/19/23 07:37	09/20/23 16:45	7440-43-9	
Chromium	**26.2**	mg/kg	1.8	0.80	100	2	09/19/23 07:37	09/20/23 16:45	7440-47-3	
Cobalt	**6.1**	mg/kg	1.8	0.38	470	2	09/19/23 07:37	09/20/23 16:45	7440-48-4	
Copper	**16.4**	mg/kg	1.8	0.43	310	2	09/19/23 07:37	09/20/23 16:45	7440-50-8	
Lead	**31.3**	mg/kg	0.89	0.57	100	2	09/19/23 07:37	09/20/23 16:45	7439-92-1	
Nickel	**32.5**	mg/kg	7.1	5.7	160	2	09/19/23 07:37	09/20/23 16:45	7440-02-0	
Selenium	**1.3J**	mg/kg	3.6	1.0	20	2	09/19/23 07:37	09/20/23 16:45	7782-49-2	
Silver	ND	mg/kg	1.8	0.46	39	2	09/19/23 07:37	09/20/23 16:45	7440-22-4	
Thallium	ND	mg/kg	0.89	0.69	.55	2	09/19/23 07:37	09/20/23 16:45	7440-28-0	
Vanadium	**22.8**	mg/kg	8.9	3.6	55	2	09/19/23 07:37	09/20/23 16:45	7440-62-2	
Zinc	**59.4**	mg/kg	8.9	4.6	2300	2	09/19/23 07:37	09/20/23 16:45	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (0-2) **Lab ID: 20289601010** Collected: 09/14/23 12:48 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.044**	mg/kg	0.015	0.0095		1	09/19/23 07:51	09/20/23 11:02	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/26/23 02:11	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/26/23 02:11	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/26/23 02:11	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/26/23 02:11	120-12-7	
Benzo(a)anthracene	**0.0132J**	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/26/23 02:11	56-55-3	J
Benzo(b)fluoranthene	**0.0177J**	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/26/23 02:11	205-99-2	J
Benzo(k)fluoranthene	**0.00655J**	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/26/23 02:11	207-08-9	J
Benzo(a)pyrene	**0.0119J**	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/26/23 02:11	50-32-8	J
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 02:11	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 02:11	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/26/23 02:11	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/26/23 02:11	91-58-7	
Chrysene	**0.0101J**	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/26/23 02:11	218-01-9	J
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/26/23 02:11	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 02:11	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/26/23 02:11	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/26/23 02:11	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/26/23 02:11	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/26/23 02:11	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/26/23 02:11	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/26/23 02:11	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/26/23 02:11	606-20-2	
Fluoranthene	**0.0230J**	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/26/23 02:11	206-44-0	J
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/26/23 02:11	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/26/23 02:11	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/26/23 02:11	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/26/23 02:11	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/26/23 02:11	67-72-1	
Indeno(1,2,3-cd)pyrene	**0.0104J**	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/26/23 02:11	193-39-5	J
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/26/23 02:11	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/26/23 02:11	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 02:11	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/26/23 02:11	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/26/23 02:11	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/26/23 02:11	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/26/23 02:11	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/26/23 02:11	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/26/23 02:11	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (0-2) **Lab ID: 20289601010** Collected: 09/14/23 12:48 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	**0.00833J**	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/26/23 02:11	85-01-8	J
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 02:11	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/26/23 02:11	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 02:11	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/26/23 02:11	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/26/23 02:11	117-84-0	
Pyrene	**0.0196J**	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/26/23 02:11	129-00-0	J
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/26/23 02:11	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/26/23 02:11	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/26/23 02:11	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/26/23 02:11	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/26/23 02:11	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/26/23 02:11	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/26/23 02:11	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/26/23 02:11	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/26/23 02:11	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/26/23 02:11	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/26/23 02:11	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 02:11	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 02:11	88-85-7	
Surrogates										
2-Fluorophenol (S)	51.4	%	12.0-120			1	09/23/23 08:33	09/26/23 02:11	367-12-4	
Phenol-d5 (S)	48.5	%	10.0-120			1	09/23/23 08:33	09/26/23 02:11	4165-62-2	
Nitrobenzene-d5 (S)	46.8	%	10.0-122			1	09/23/23 08:33	09/26/23 02:11	4165-60-0	
2-Fluorobiphenyl (S)	52.9	%	15.0-120			1	09/23/23 08:33	09/26/23 02:11	321-60-8	
2,4,6-Tribromophenol (S)	50.8	%	10.0-127			1	09/23/23 08:33	09/26/23 02:11	118-79-6	
Terphenyl-d14 (S)	60.0	%	10.0-120			1	09/23/23 08:33	09/26/23 02:11	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0054J**	mg/kg	0.0083	0.0036	1.5	1	09/15/23 12:30	09/22/23 18:35	67-64-1	
Benzene	ND	mg/kg	0.0041	0.0011	.051	1	09/15/23 12:30	09/22/23 18:35	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0041	0.0012	.92	1	09/15/23 12:30	09/22/23 18:35	75-27-4	
Bromoform	ND	mg/kg	0.0041	0.0014	1.8	1	09/15/23 12:30	09/22/23 18:35	75-25-2	
Bromomethane	ND	mg/kg	0.0041	0.0012	.04	1	09/15/23 12:30	09/22/23 18:35	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0083	0.0024	5	1	09/15/23 12:30	09/22/23 18:35	78-93-3	
Carbon disulfide	ND	mg/kg	0.0041	0.0012	11	1	09/15/23 12:30	09/22/23 18:35	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0041	0.00088	.11	1	09/15/23 12:30	09/22/23 18:35	56-23-5	
Chlorobenzene	ND	mg/kg	0.0041	0.0012	3	1	09/15/23 12:30	09/22/23 18:35	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (0-2) **Lab ID: 20289601010** Collected: 09/14/23 12:48 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0041	0.0010	.035	1	09/15/23 12:30	09/22/23 18:35	75-00-3	
Chloroform	ND	mg/kg	0.0041	0.0012	.044	1	09/15/23 12:30	09/22/23 18:35	67-66-3	
Chloromethane	ND	mg/kg	0.0041	0.0010	.1	1	09/15/23 12:30	09/22/23 18:35	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0041	0.0015	.01	1	09/15/23 12:30	09/22/23 18:35	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0041	0.0013	1	1	09/15/23 12:30	09/22/23 18:35	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0041	0.0012	7.5	1	09/15/23 12:30	09/22/23 18:35	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0041	0.0012	.035	1	09/15/23 12:30	09/22/23 18:35	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0041	0.0011	.085	1	09/15/23 12:30	09/22/23 18:35	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0011	.49	1	09/15/23 12:30	09/22/23 18:35	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0041	0.0010	.77	1	09/15/23 12:30	09/22/23 18:35	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0041	0.0013	.042	1	09/15/23 12:30	09/22/23 18:35	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0041	0.0012	.04	1	09/15/23 12:30	09/22/23 18:35	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0041	0.0013	.04	1	09/15/23 12:30	09/22/23 18:35	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0041	0.0011	19	1	09/15/23 12:30	09/22/23 18:35	100-41-4	
Isobutanol	ND	mg/kg	0.21	0.030	30	1	09/15/23 12:30	09/22/23 18:35	78-83-1	
Methylene Chloride	ND	mg/kg	0.0041	0.0038	.017	1	09/15/23 12:30	09/22/23 18:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0083	0.0015	6.4	1	09/15/23 12:30	09/22/23 18:35	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0041	0.0012	.077	1	09/15/23 12:30	09/22/23 18:35	1634-04-4	
Styrene	ND	mg/kg	0.0041	0.0013	11	1	09/15/23 12:30	09/22/23 18:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0041	0.0012	.046	1	09/15/23 12:30	09/22/23 18:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0041	0.0016	.006	1	09/15/23 12:30	09/22/23 18:35	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0041	0.0012	.18	1	09/15/23 12:30	09/22/23 18:35	127-18-4	
Toluene	ND	mg/kg	0.0041	0.0018	20	1	09/15/23 12:30	09/22/23 18:35	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0041	0.0012	14	1	09/15/23 12:30	09/22/23 18:35	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0041	0.0010	4	1	09/15/23 12:30	09/22/23 18:35	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0041	0.0012	.058	1	09/15/23 12:30	09/22/23 18:35	79-00-5	
Trichloroethene	ND	mg/kg	0.0041	0.0012	.073	1	09/15/23 12:30	09/22/23 18:35	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0041	0.0010	37	1	09/15/23 12:30	09/22/23 18:35	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00092	.013	1	09/15/23 12:30	09/22/23 18:35	75-01-4	
m&p-Xylene	ND	mg/kg	0.0083	0.0027	18	1	09/15/23 12:30	09/22/23 18:35	179601-23-1	
o-Xylene	ND	mg/kg	0.0041	0.0013	18	1	09/15/23 12:30	09/22/23 18:35	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/15/23 12:30	09/22/23 18:35	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	64-139			1	09/15/23 12:30	09/22/23 18:35	460-00-4	
Dibromofluoromethane (S)	99	%.	66-143			1	09/15/23 12:30	09/22/23 18:35	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (2-4) **Lab ID: 20289601011** Collected: 09/14/23 13:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 14:35		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 14:35		
Aliphatic (>C16-C35)	**2.56J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 14:35	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:42		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:42		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:42		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 02:42		
Surrogates										
o-Terphenyl (S)	76.6	%	40.0-140			1	09/21/23 12:25	09/24/23 02:42	84-15-1	
1-Chloro-octadecane (S)	79.8	%	40.0-140			1	09/21/23 12:25	09/23/23 14:35		
2-Fluorobiphenyl (S)	84.9	%	40.0-140			1	09/21/23 12:25	09/24/23 02:42	321-60-8	
2-Bromonaphthalene (S)	85.3	%	40.0-140			1	09/21/23 12:25	09/24/23 02:42	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4220	927	1200000	1	09/15/23 12:50	09/20/23 17:46		
Aliphatic (>C08-C10)	ND	ug/kg	3480	1160	120000	1	09/15/23 12:50	09/20/23 17:46		
Aromatic (>C08-C10)	ND	ug/kg	3480	333	65000	1	09/15/23 12:50	09/20/23 17:46		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/15/23 12:50	09/20/23 17:46	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.2	0.63	3.1	2	09/19/23 07:37	09/20/23 16:49	7440-36-0	
Arsenic	**2.7**	mg/kg	1.4	0.68	12	2	09/19/23 07:37	09/20/23 16:49	7440-38-2	
Barium	**151**	mg/kg	28.2	1.4	550	2	09/19/23 07:37	09/20/23 16:49	7440-39-3	
Beryllium	**0.75**	mg/kg	0.70	0.10	8	2	09/19/23 07:37	09/20/23 16:49	7440-41-7	
Cadmium	ND	mg/kg	0.70	0.10	3.9	2	09/19/23 07:37	09/20/23 16:49	7440-43-9	
Chromium	**21.1**	mg/kg	1.4	0.63	100	2	09/19/23 07:37	09/20/23 16:49	7440-47-3	
Cobalt	**5.6**	mg/kg	1.4	0.30	470	2	09/19/23 07:37	09/20/23 16:49	7440-48-4	
Copper	**12.2**	mg/kg	1.4	0.34	310	2	09/19/23 07:37	09/20/23 16:49	7440-50-8	
Lead	**12.1**	mg/kg	0.70	0.45	100	2	09/19/23 07:37	09/20/23 16:49	7439-92-1	
Nickel	**15.2**	mg/kg	5.6	4.5	160	2	09/19/23 07:37	09/20/23 16:49	7440-02-0	
Selenium	**1.1J**	mg/kg	2.8	0.83	20	2	09/19/23 07:37	09/20/23 16:49	7782-49-2	
Silver	ND	mg/kg	1.4	0.36	39	2	09/19/23 07:37	09/20/23 16:49	7440-22-4	
Thallium	ND	mg/kg	0.70	0.54	.55	2	09/19/23 07:37	09/20/23 16:49	7440-28-0	
Vanadium	**36.7**	mg/kg	7.0	2.9	55	2	09/19/23 07:37	09/20/23 16:49	7440-62-2	
Zinc	**60.2**	mg/kg	7.0	3.6	2300	2	09/19/23 07:37	09/20/23 16:49	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (2-4) **Lab ID: 20289601011** Collected: 09/14/23 13:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.029**	mg/kg	0.019	0.013		1	09/19/23 07:51	09/20/23 11:04	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 17:46	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 17:46	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 17:46	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 17:46	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 17:46	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 17:46	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 17:46	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 17:46	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 17:46	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:46	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 17:46	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 17:46	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 17:46	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 17:46	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 17:46	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 17:46	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 17:46	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 17:46	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 17:46	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 17:46	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 17:46	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 17:46	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 17:46	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 17:46	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 17:46	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 17:46	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 17:46	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 17:46	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 17:46	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 17:46	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 17:46	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 17:46	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 17:46	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 17:46	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 17:46	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 17:46	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 17:46	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 17:46	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (2-4) **Lab ID: 20289601011** Collected: 09/14/23 13:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 17:46	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 17:46	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 17:46	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:46	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 17:46	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 17:46	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 17:46	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 17:46	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 17:46	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 17:46	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 17:46	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 17:46	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 17:46	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 17:46	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 17:46	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 17:46	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 17:46	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 17:46	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 14:16	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 14:16	88-85-7	
Surrogates										
2-Fluorophenol (S)	67.8	%	12.0-120			1	09/23/23 08:33	09/23/23 17:46	367-12-4	
Phenol-d5 (S)	61.1	%	10.0-120			1	09/23/23 08:33	09/23/23 17:46	4165-62-2	
Nitrobenzene-d5 (S)	53.0	%	10.0-122			1	09/23/23 08:33	09/23/23 17:46	4165-60-0	
2-Fluorobiphenyl (S)	60.7	%	15.0-120			1	09/23/23 08:33	09/23/23 17:46	321-60-8	
2,4,6-Tribromophenol (S)	52.3	%	10.0-127			1	09/23/23 08:33	09/23/23 17:46	118-79-6	
Terphenyl-d14 (S)	70.4	%	10.0-120			1	09/23/23 08:33	09/23/23 17:46	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0067J**	mg/kg	0.0097	0.0043	1.5	1	09/15/23 12:30	09/22/23 18:54	67-64-1	
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/15/23 12:30	09/22/23 18:54	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0015	.92	1	09/15/23 12:30	09/22/23 18:54	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/15/23 12:30	09/22/23 18:54	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/15/23 12:30	09/22/23 18:54	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0097	0.0028	5	1	09/15/23 12:30	09/22/23 18:54	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/15/23 12:30	09/22/23 18:54	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/15/23 12:30	09/22/23 18:54	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/15/23 12:30	09/22/23 18:54	108-90-7	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (2-4) **Lab ID: 20289601011** Collected: 09/14/23 13:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/15/23 12:30	09/22/23 18:54	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0014	.044	1	09/15/23 12:30	09/22/23 18:54	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/15/23 12:30	09/22/23 18:54	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/15/23 12:30	09/22/23 18:54	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/15/23 12:30	09/22/23 18:54	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0015	7.5	1	09/15/23 12:30	09/22/23 18:54	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/15/23 12:30	09/22/23 18:54	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0048	0.0013	.085	1	09/15/23 12:30	09/22/23 18:54	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/15/23 12:30	09/22/23 18:54	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/15/23 12:30	09/22/23 18:54	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0015	.042	1	09/15/23 12:30	09/22/23 18:54	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/15/23 12:30	09/22/23 18:54	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0015	.04	1	09/15/23 12:30	09/22/23 18:54	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/15/23 12:30	09/22/23 18:54	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/15/23 12:30	09/22/23 18:54	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0045	.017	1	09/15/23 12:30	09/22/23 18:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0097	0.0018	6.4	1	09/15/23 12:30	09/22/23 18:54	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/15/23 12:30	09/22/23 18:54	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0016	11	1	09/15/23 12:30	09/22/23 18:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/15/23 12:30	09/22/23 18:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0018	.006	1	09/15/23 12:30	09/22/23 18:54	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/15/23 12:30	09/22/23 18:54	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0021	20	1	09/15/23 12:30	09/22/23 18:54	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0015	14	1	09/15/23 12:30	09/22/23 18:54	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/15/23 12:30	09/22/23 18:54	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0015	.058	1	09/15/23 12:30	09/22/23 18:54	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/15/23 12:30	09/22/23 18:54	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/15/23 12:30	09/22/23 18:54	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/15/23 12:30	09/22/23 18:54	75-01-4	
m&p-Xylene	ND	mg/kg	0.0097	0.0031	18	1	09/15/23 12:30	09/22/23 18:54	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/15/23 12:30	09/22/23 18:54	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/15/23 12:30	09/22/23 18:54	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/15/23 12:30	09/22/23 18:54	460-00-4	
Dibromofluoromethane (S)	99	%.	66-143			1	09/15/23 12:30	09/22/23 18:54	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (9-11) **Lab ID: 20289601012** Collected: 09/14/23 12:50 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 14:59		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 14:59		
Aliphatic (>C16-C35)	**2.18J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 14:59	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:06		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:06		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:06		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:06		
Surrogates										
o-Terphenyl (S)	68.6	%	40.0-140			1	09/21/23 12:25	09/24/23 03:06	84-15-1	
1-Chloro-octadecane (S)	69.9	%	40.0-140			1	09/21/23 12:25	09/23/23 14:59		
2-Fluorobiphenyl (S)	83.5	%	40.0-140			1	09/21/23 12:25	09/24/23 03:06	321-60-8	
2-Bromonaphthalene (S)	85.0	%	40.0-140			1	09/21/23 12:25	09/24/23 03:06	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4160	912	1200000	1	09/15/23 12:50	09/20/23 18:11		
Aliphatic (>C08-C10)	ND	ug/kg	3420	1140	120000	1	09/15/23 12:50	09/20/23 18:11		
Aromatic (>C08-C10)	ND	ug/kg	3420	328	65000	1	09/15/23 12:50	09/20/23 18:11		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/15/23 12:50	09/20/23 18:11	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.6	0.69	3.1	2	09/19/23 07:37	09/20/23 16:53	7440-36-0	
Arsenic	**2.1**	mg/kg	1.5	0.74	12	2	09/19/23 07:37	09/20/23 16:53	7440-38-2	
Barium	**129**	mg/kg	30.8	1.5	550	2	09/19/23 07:37	09/20/23 16:53	7440-39-3	
Beryllium	**0.28J**	mg/kg	0.77	0.11	8	2	09/19/23 07:37	09/20/23 16:53	7440-41-7	
Cadmium	ND	mg/kg	0.77	0.11	3.9	2	09/19/23 07:37	09/20/23 16:53	7440-43-9	
Chromium	**13.7**	mg/kg	1.5	0.69	100	2	09/19/23 07:37	09/20/23 16:53	7440-47-3	
Cobalt	**6.2**	mg/kg	1.5	0.32	470	2	09/19/23 07:37	09/20/23 16:53	7440-48-4	
Copper	**9.7**	mg/kg	1.5	0.37	310	2	09/19/23 07:37	09/20/23 16:53	7440-50-8	
Lead	**7.9**	mg/kg	0.77	0.49	100	2	09/19/23 07:37	09/20/23 16:53	7439-92-1	
Nickel	**13.1**	mg/kg	6.2	4.9	160	2	09/19/23 07:37	09/20/23 16:53	7440-02-0	
Selenium	ND	mg/kg	3.1	0.90	20	2	09/19/23 07:37	09/20/23 16:53	7782-49-2	
Silver	ND	mg/kg	1.5	0.40	39	2	09/19/23 07:37	09/20/23 16:53	7440-22-4	
Thallium	ND	mg/kg	0.77	0.59	.55	2	09/19/23 07:37	09/20/23 16:53	7440-28-0	
Vanadium	**22.1**	mg/kg	7.7	3.1	55	2	09/19/23 07:37	09/20/23 16:53	7440-62-2	
Zinc	**37.3**	mg/kg	7.7	3.9	2300	2	09/19/23 07:37	09/20/23 16:53	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (9-11) **Lab ID: 20289601012** Collected: 09/14/23 12:50 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.021**	mg/kg	0.013	0.0087		1	09/19/23 07:51	09/20/23 11:06	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 18:53	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 18:53	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 18:53	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 18:53	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 18:53	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 18:53	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 18:53	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 18:53	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 18:53	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 18:53	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 18:53	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 18:53	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 18:53	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 18:53	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 18:53	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 18:53	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 18:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 18:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 18:53	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 18:53	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 18:53	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 18:53	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 18:53	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 18:53	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 18:53	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 18:53	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 18:53	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 18:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 18:53	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 18:53	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 18:53	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 18:53	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 18:53	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 18:53	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 18:53	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 18:53	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 18:53	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 18:53	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (9-11) **Lab ID: 20289601012** Collected: 09/14/23 12:50 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 18:53	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 18:53	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 18:53	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 18:53	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 18:53	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 18:53	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 18:53	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 18:53	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 18:53	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 18:53	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 18:53	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 18:53	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 18:53	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 18:53	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 18:53	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 18:53	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 18:53	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 18:53	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 15:33	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 15:33	88-85-7	
Surrogates										
2-Fluorophenol (S)	53.4	%	12.0-120			1	09/23/23 08:33	09/23/23 18:53	367-12-4	
Phenol-d5 (S)	49.1	%	10.0-120			1	09/23/23 08:33	09/23/23 18:53	4165-62-2	
Nitrobenzene-d5 (S)	43.2	%	10.0-122			1	09/23/23 08:33	09/23/23 18:53	4165-60-0	
2-Fluorobiphenyl (S)	47.5	%	15.0-120			1	09/23/23 08:33	09/23/23 18:53	321-60-8	
2,4,6-Tribromophenol (S)	43.2	%	10.0-127			1	09/23/23 08:33	09/23/23 18:53	118-79-6	
Terphenyl-d14 (S)	55.6	%	10.0-120			1	09/23/23 08:33	09/23/23 18:53	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0058J**	mg/kg	0.0093	0.0041	1.5	1	09/15/23 12:30	09/22/23 19:13	67-64-1	
Benzene	ND	mg/kg	0.0047	0.0013	.051	1	09/15/23 12:30	09/22/23 19:13	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0047	0.0014	.92	1	09/15/23 12:30	09/22/23 19:13	75-27-4	
Bromoform	ND	mg/kg	0.0047	0.0015	1.8	1	09/15/23 12:30	09/22/23 19:13	75-25-2	
Bromomethane	ND	mg/kg	0.0047	0.0013	.04	1	09/15/23 12:30	09/22/23 19:13	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0093	0.0027	5	1	09/15/23 12:30	09/22/23 19:13	78-93-3	
Carbon disulfide	ND	mg/kg	0.0047	0.0014	11	1	09/15/23 12:30	09/22/23 19:13	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0047	0.0010	.11	1	09/15/23 12:30	09/22/23 19:13	56-23-5	
Chlorobenzene	ND	mg/kg	0.0047	0.0014	3	1	09/15/23 12:30	09/22/23 19:13	108-90-7	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (9-11) **Lab ID: 20289601012** Collected: 09/14/23 12:50 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0047	0.0012	.035	1	09/15/23 12:30	09/22/23 19:13	75-00-3	
Chloroform	ND	mg/kg	0.0047	0.0013	.044	1	09/15/23 12:30	09/22/23 19:13	67-66-3	
Chloromethane	ND	mg/kg	0.0047	0.0011	.1	1	09/15/23 12:30	09/22/23 19:13	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0047	0.0017	.01	1	09/15/23 12:30	09/22/23 19:13	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0047	0.0015	1	1	09/15/23 12:30	09/22/23 19:13	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0047	0.0014	7.5	1	09/15/23 12:30	09/22/23 19:13	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0047	0.0014	.035	1	09/15/23 12:30	09/22/23 19:13	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0047	0.0013	.085	1	09/15/23 12:30	09/22/23 19:13	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0013	.49	1	09/15/23 12:30	09/22/23 19:13	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0047	0.0012	.77	1	09/15/23 12:30	09/22/23 19:13	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0047	0.0014	.042	1	09/15/23 12:30	09/22/23 19:13	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0014	.04	1	09/15/23 12:30	09/22/23 19:13	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0047	0.0015	.04	1	09/15/23 12:30	09/22/23 19:13	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0047	0.0013	19	1	09/15/23 12:30	09/22/23 19:13	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.034	30	1	09/15/23 12:30	09/22/23 19:13	78-83-1	
Methylene Chloride	ND	mg/kg	0.0047	0.0043	.017	1	09/15/23 12:30	09/22/23 19:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0093	0.0017	6.4	1	09/15/23 12:30	09/22/23 19:13	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0047	0.0013	.077	1	09/15/23 12:30	09/22/23 19:13	1634-04-4	
Styrene	ND	mg/kg	0.0047	0.0015	11	1	09/15/23 12:30	09/22/23 19:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0014	.046	1	09/15/23 12:30	09/22/23 19:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0047	0.0018	.006	1	09/15/23 12:30	09/22/23 19:13	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0047	0.0013	.18	1	09/15/23 12:30	09/22/23 19:13	127-18-4	
Toluene	ND	mg/kg	0.0047	0.0020	20	1	09/15/23 12:30	09/22/23 19:13	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0047	0.0014	14	1	09/15/23 12:30	09/22/23 19:13	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0047	0.0012	4	1	09/15/23 12:30	09/22/23 19:13	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0047	0.0014	.058	1	09/15/23 12:30	09/22/23 19:13	79-00-5	
Trichloroethene	ND	mg/kg	0.0047	0.0013	.073	1	09/15/23 12:30	09/22/23 19:13	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0047	0.0011	37	1	09/15/23 12:30	09/22/23 19:13	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0010	.013	1	09/15/23 12:30	09/22/23 19:13	75-01-4	
m&p-Xylene	ND	mg/kg	0.0093	0.0030	18	1	09/15/23 12:30	09/22/23 19:13	179601-23-1	
o-Xylene	ND	mg/kg	0.0047	0.0015	18	1	09/15/23 12:30	09/22/23 19:13	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/15/23 12:30	09/22/23 19:13	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/15/23 12:30	09/22/23 19:13	460-00-4	
Dibromofluoromethane (S)	97	%.	66-143			1	09/15/23 12:30	09/22/23 19:13	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (14-16) **Lab ID: 20289601013** Collected: 09/14/23 12:44 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 15:23		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/21/23 12:25	09/23/23 15:23		
Aliphatic (>C16-C35)	**2.80J**	mg/kg	100	1.68		1	09/21/23 12:25	09/23/23 15:23	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:30		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:30		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:30		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/21/23 12:25	09/24/23 03:30		
Surrogates										
o-Terphenyl (S)	75.9	%	40.0-140			1	09/21/23 12:25	09/24/23 03:30	84-15-1	
1-Chloro-octadecane (S)	75.4	%	40.0-140			1	09/21/23 12:25	09/23/23 15:23		
2-Fluorobiphenyl (S)	85.3	%	40.0-140			1	09/21/23 12:25	09/24/23 03:30	321-60-8	
2-Bromonaphthalene (S)	86.1	%	40.0-140			1	09/21/23 12:25	09/24/23 03:30	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	5160	1130	1200000	1	09/15/23 12:50	09/20/23 18:37		
Aliphatic (>C08-C10)	ND	ug/kg	4250	1410	120000	1	09/15/23 12:50	09/20/23 18:37		
Aromatic (>C08-C10)	ND	ug/kg	4250	407	65000	1	09/15/23 12:50	09/20/23 18:37		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1	09/15/23 12:50	09/20/23 18:37	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	5.0	0.75	3.1	2	09/19/23 07:37	09/20/23 16:57	7440-36-0	
Arsenic	**2.6**	mg/kg	1.7	0.80	12	2	09/19/23 07:37	09/20/23 16:57	7440-38-2	
Barium	**125**	mg/kg	33.3	1.6	550	2	09/19/23 07:37	09/20/23 16:57	7440-39-3	
Beryllium	**0.25J**	mg/kg	0.83	0.12	8	2	09/19/23 07:37	09/20/23 16:57	7440-41-7	
Cadmium	ND	mg/kg	0.83	0.12	3.9	2	09/19/23 07:37	09/20/23 16:57	7440-43-9	
Chromium	**11.8**	mg/kg	1.7	0.75	100	2	09/19/23 07:37	09/20/23 16:57	7440-47-3	
Cobalt	**6.0**	mg/kg	1.7	0.35	470	2	09/19/23 07:37	09/20/23 16:57	7440-48-4	
Copper	**11.1**	mg/kg	1.7	0.40	310	2	09/19/23 07:37	09/20/23 16:57	7440-50-8	
Lead	**7.5**	mg/kg	0.83	0.53	100	2	09/19/23 07:37	09/20/23 16:57	7439-92-1	
Nickel	**12.9**	mg/kg	6.7	5.3	160	2	09/19/23 07:37	09/20/23 16:57	7440-02-0	
Selenium	**1.1J**	mg/kg	3.3	0.98	20	2	09/19/23 07:37	09/20/23 16:57	7782-49-2	
Silver	ND	mg/kg	1.7	0.43	39	2	09/19/23 07:37	09/20/23 16:57	7440-22-4	
Thallium	ND	mg/kg	0.83	0.64	.55	2	09/19/23 07:37	09/20/23 16:57	7440-28-0	
Vanadium	**21.7**	mg/kg	8.3	3.4	55	2	09/19/23 07:37	09/20/23 16:57	7440-62-2	
Zinc	**36.3**	mg/kg	8.3	4.3	2300	2	09/19/23 07:37	09/20/23 16:57	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (14-16) **Lab ID: 20289601013** Collected: 09/14/23 12:44 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.022**	mg/kg	0.014	0.0091		1	09/19/23 07:51	09/20/23 11:09	7439-97-6	
SVOA (GC/MS) 8270E		Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet								
Acenaphthene	ND	mg/kg	0.0333	0.00539		1	09/23/23 08:33	09/23/23 21:48	83-32-9	
Acenaphthylene	ND	mg/kg	0.0333	0.00469		1	09/23/23 08:33	09/23/23 21:48	208-96-8	
Aniline	ND	mg/kg	0.333	0.0311		1	09/23/23 08:33	09/23/23 21:48	62-53-3	
Anthracene	ND	mg/kg	0.0333	0.00593		1	09/23/23 08:33	09/23/23 21:48	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.0333	0.00587		1	09/23/23 08:33	09/23/23 21:48	56-55-3	
Benzo(b)fluoranthene	ND	mg/kg	0.0333	0.00621		1	09/23/23 08:33	09/23/23 21:48	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.0333	0.00592		1	09/23/23 08:33	09/23/23 21:48	207-08-9	
Benzo(a)pyrene	ND	mg/kg	0.0333	0.00619		1	09/23/23 08:33	09/23/23 21:48	50-32-8	
Biphenyl (Diphenyl)	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 21:48	92-52-4	
bis(2-Chloroethyl) ether	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:48	111-44-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/kg	0.333	0.0144		1	09/23/23 08:33	09/23/23 21:48	108-60-1	
2-Chloronaphthalene	ND	mg/kg	0.0333	0.00585		1	09/23/23 08:33	09/23/23 21:48	91-58-7	
Chrysene	ND	mg/kg	0.0333	0.00662		1	09/23/23 08:33	09/23/23 21:48	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.0333	0.00923		1	09/23/23 08:33	09/23/23 21:48	53-70-3	
Dibenzofuran	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 21:48	132-64-9	
4-Chloroaniline	ND	mg/kg	0.333	0.0120		1	09/23/23 08:33	09/23/23 21:48	106-47-8	
1,2-Dichlorobenzene	ND	mg/kg	0.333	0.00987		1	09/23/23 08:33	09/23/23 21:48	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.333	0.0101		1	09/23/23 08:33	09/23/23 21:48	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.333	0.00991		1	09/23/23 08:33	09/23/23 21:48	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/kg	0.333	0.0123		1	09/23/23 08:33	09/23/23 21:48	91-94-1	
2,4-Dinitrotoluene	ND	mg/kg	0.333	0.00955		1	09/23/23 08:33	09/23/23 21:48	121-14-2	
2,6-Dinitrotoluene	ND	mg/kg	0.333	0.0109		1	09/23/23 08:33	09/23/23 21:48	606-20-2	
Fluoranthene	ND	mg/kg	0.0333	0.00601		1	09/23/23 08:33	09/23/23 21:48	206-44-0	
Fluorene	ND	mg/kg	0.0333	0.00542		1	09/23/23 08:33	09/23/23 21:48	86-73-7	
Hexachlorobenzene	ND	mg/kg	0.333	0.0118		1	09/23/23 08:33	09/23/23 21:48	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/kg	0.333	0.0112		1	09/23/23 08:33	09/23/23 21:48	87-68-3	
Hexachlorocyclopentadiene	ND	mg/kg	0.333	0.0175		1	09/23/23 08:33	09/23/23 21:48	77-47-4	
Hexachloroethane	ND	mg/kg	0.333	0.0131		1	09/23/23 08:33	09/23/23 21:48	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.0333	0.00941		1	09/23/23 08:33	09/23/23 21:48	193-39-5	
Isophorone	ND	mg/kg	0.333	0.0102		1	09/23/23 08:33	09/23/23 21:48	78-59-1	
2-Methylnaphthalene	ND	mg/kg	0.0333	0.00432		1	09/23/23 08:33	09/23/23 21:48	91-57-6	
2-Nitroaniline	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 21:48	88-74-4	
3-Nitroaniline	ND	mg/kg	0.333	0.0106		1	09/23/23 08:33	09/23/23 21:48	99-09-2	
4-Nitroaniline	ND	mg/kg	0.333	0.00971		1	09/23/23 08:33	09/23/23 21:48	100-01-6	
Naphthalene	ND	mg/kg	0.0333	0.00836		1	09/23/23 08:33	09/23/23 21:48	91-20-3	
Nitrobenzene	ND	mg/kg	0.333	0.0116		1	09/23/23 08:33	09/23/23 21:48	98-95-3	
N-Nitrosodiphenylamine	ND	mg/kg	0.333	0.0252		1	09/23/23 08:33	09/23/23 21:48	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/kg	0.333	0.0111		1	09/23/23 08:33	09/23/23 21:48	621-64-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (14-16) **Lab ID: 20289601013** Collected: 09/14/23 12:44 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3546 Pace National - Mt. Juliet									
Phenanthrene	ND	mg/kg	0.0333	0.00661		1	09/23/23 08:33	09/23/23 21:48	85-01-8	
Butylbenzylphthalate	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 21:48	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/kg	0.333	0.0422		1	09/23/23 08:33	09/23/23 21:48	117-81-7	
Diethylphthalate	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:48	84-66-2	
Dimethylphthalate	ND	mg/kg	0.333	0.0706		1	09/23/23 08:33	09/23/23 21:48	131-11-3	
Di-n-octylphthalate	ND	mg/kg	0.333	0.0225		1	09/23/23 08:33	09/23/23 21:48	117-84-0	
Pyrene	ND	mg/kg	0.0333	0.00648		1	09/23/23 08:33	09/23/23 21:48	129-00-0	
1,2,4,5-Tetrachlorobenzene	ND	mg/kg	0.333	0.0159		1	09/23/23 08:33	09/23/23 21:48	95-94-3	
2-Chlorophenol	ND	mg/kg	0.333	0.0110		1	09/23/23 08:33	09/23/23 21:48	95-57-8	
2,4-Dichlorophenol	ND	mg/kg	0.333	0.00970		1	09/23/23 08:33	09/23/23 21:48	120-83-2	
2,4-Dimethylphenol	ND	mg/kg	0.333	0.00870		1	09/23/23 08:33	09/23/23 21:48	105-67-9	
2,4-Dinitrophenol	ND	mg/kg	0.333	0.0779		1	09/23/23 08:33	09/23/23 21:48	51-28-5	
4-Nitrophenol	ND	mg/kg	0.333	0.0104		1	09/23/23 08:33	09/23/23 21:48	100-02-7	
Pentachlorophenol	ND	mg/kg	0.333	0.00896		1	09/23/23 08:33	09/23/23 21:48	87-86-5	
Phenol	ND	mg/kg	0.333	0.0134		1	09/23/23 08:33	09/23/23 21:48	108-95-2	
2,4,5-Trichlorophenol	ND	mg/kg	0.333	0.0113		1	09/23/23 08:33	09/23/23 21:48	95-95-4	
2,3,4,6-Tetrachlorophenol	ND	mg/kg	0.333	0.0126		1	09/23/23 08:33	09/23/23 21:48	58-90-2	
2,4,6-Trichlorophenol	ND	mg/kg	0.333	0.0107		1	09/23/23 08:33	09/23/23 21:48	88-06-2	
1,3-Dinitrobenzene	ND	mg/kg	0.333	0.0617		1	09/23/23 08:33	09/26/23 15:59	99-65-0	
Dinoseb	ND	mg/kg	0.333	0.0970		1	09/23/23 08:33	09/26/23 15:59	88-85-7	
Surrogates										
2-Fluorophenol (S)	57.8	%	12.0-120			1	09/23/23 08:33	09/23/23 21:48	367-12-4	
Phenol-d5 (S)	52.6	%	10.0-120			1	09/23/23 08:33	09/23/23 21:48	4165-62-2	
Nitrobenzene-d5 (S)	46.0	%	10.0-122			1	09/23/23 08:33	09/23/23 21:48	4165-60-0	
2-Fluorobiphenyl (S)	51.2	%	15.0-120			1	09/23/23 08:33	09/23/23 21:48	321-60-8	
2,4,6-Tribromophenol (S)	45.2	%	10.0-127			1	09/23/23 08:33	09/23/23 21:48	118-79-6	
Terphenyl-d14 (S)	58.1	%	10.0-120			1	09/23/23 08:33	09/23/23 21:48	1718-51-0	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0096	0.0042	1.5	1	09/15/23 12:30	09/22/23 19:32	67-64-1	
Benzene	ND	mg/kg	0.0048	0.0013	.051	1	09/15/23 12:30	09/22/23 19:32	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0048	0.0014	.92	1	09/15/23 12:30	09/22/23 19:32	75-27-4	
Bromoform	ND	mg/kg	0.0048	0.0016	1.8	1	09/15/23 12:30	09/22/23 19:32	75-25-2	
Bromomethane	ND	mg/kg	0.0048	0.0014	.04	1	09/15/23 12:30	09/22/23 19:32	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0096	0.0028	5	1	09/15/23 12:30	09/22/23 19:32	78-93-3	
Carbon disulfide	ND	mg/kg	0.0048	0.0014	11	1	09/15/23 12:30	09/22/23 19:32	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0048	0.0010	.11	1	09/15/23 12:30	09/22/23 19:32	56-23-5	
Chlorobenzene	ND	mg/kg	0.0048	0.0014	3	1	09/15/23 12:30	09/22/23 19:32	108-90-7	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-16 (14-16) **Lab ID: 20289601013** Collected: 09/14/23 12:44 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Chloroethane	ND	mg/kg	0.0048	0.0012	.035	1	09/15/23 12:30	09/22/23 19:32	75-00-3	
Chloroform	ND	mg/kg	0.0048	0.0013	.044	1	09/15/23 12:30	09/22/23 19:32	67-66-3	
Chloromethane	ND	mg/kg	0.0048	0.0012	.1	1	09/15/23 12:30	09/22/23 19:32	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0048	0.0017	.01	1	09/15/23 12:30	09/22/23 19:32	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0048	0.0015	1	1	09/15/23 12:30	09/22/23 19:32	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0048	0.0014	7.5	1	09/15/23 12:30	09/22/23 19:32	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0048	0.0014	.035	1	09/15/23 12:30	09/22/23 19:32	107-06-2	
1,1-Dichloroethene	**0.0063**	mg/kg	0.0048	0.0013	.085	1	09/15/23 12:30	09/22/23 19:32	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0013	.49	1	09/15/23 12:30	09/22/23 19:32	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0048	0.0012	.77	1	09/15/23 12:30	09/22/23 19:32	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0048	0.0015	.042	1	09/15/23 12:30	09/22/23 19:32	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0014	.04	1	09/15/23 12:30	09/22/23 19:32	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0048	0.0015	.04	1	09/15/23 12:30	09/22/23 19:32	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0048	0.0013	19	1	09/15/23 12:30	09/22/23 19:32	100-41-4	
Isobutanol	ND	mg/kg	0.24	0.035	30	1	09/15/23 12:30	09/22/23 19:32	78-83-1	
Methylene Chloride	ND	mg/kg	0.0048	0.0045	.017	1	09/15/23 12:30	09/22/23 19:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0096	0.0018	6.4	1	09/15/23 12:30	09/22/23 19:32	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0048	0.0014	.077	1	09/15/23 12:30	09/22/23 19:32	1634-04-4	
Styrene	ND	mg/kg	0.0048	0.0015	11	1	09/15/23 12:30	09/22/23 19:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0014	.046	1	09/15/23 12:30	09/22/23 19:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0048	0.0018	.006	1	09/15/23 12:30	09/22/23 19:32	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0048	0.0014	.18	1	09/15/23 12:30	09/22/23 19:32	127-18-4	
Toluene	ND	mg/kg	0.0048	0.0020	20	1	09/15/23 12:30	09/22/23 19:32	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0048	0.0014	14	1	09/15/23 12:30	09/22/23 19:32	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0048	0.0012	4	1	09/15/23 12:30	09/22/23 19:32	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0048	0.0014	.058	1	09/15/23 12:30	09/22/23 19:32	79-00-5	
Trichloroethene	ND	mg/kg	0.0048	0.0014	.073	1	09/15/23 12:30	09/22/23 19:32	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0048	0.0012	37	1	09/15/23 12:30	09/22/23 19:32	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0011	.013	1	09/15/23 12:30	09/22/23 19:32	75-01-4	
m&p-Xylene	ND	mg/kg	0.0096	0.0031	18	1	09/15/23 12:30	09/22/23 19:32	179601-23-1	
o-Xylene	ND	mg/kg	0.0048	0.0015	18	1	09/15/23 12:30	09/22/23 19:32	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/15/23 12:30	09/22/23 19:32	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/15/23 12:30	09/22/23 19:32	460-00-4	
Dibromofluoromethane (S)	96	%.	66-143			1	09/15/23 12:30	09/22/23 19:32	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-17 (0-2) **Lab ID: 20289601014** Collected: 09/14/23 14:06 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 23:49		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/26/23 20:41	09/29/23 23:49		
Aliphatic (>C16-C35)	**11.0J**	mg/kg	100	1.68		1	09/26/23 20:41	09/29/23 23:49	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/30/23 00:12		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/26/23 20:41	09/30/23 00:12		
Aromatic (>C16-C21)	**3.11J**	mg/kg	25.0	2.12		1	09/26/23 20:41	09/30/23 00:12		J
Aromatic (>C21-C35)	**7.44J**	mg/kg	25.0	2.12		1	09/26/23 20:41	09/30/23 00:12		J
Surrogates										
o-Terphenyl (S)	84.2	%	40.0-140			1	09/26/23 20:41	09/30/23 00:12	84-15-1	
1-Chloro-octadecane (S)	84.0	%	40.0-140			1	09/26/23 20:41	09/29/23 23:49		
2-Fluorobiphenyl (S)	101	%	40.0-140			1	09/26/23 20:41	09/30/23 00:12	321-60-8	
2-Bromonaphthalene (S)	101	%	40.0-140			1	09/26/23 20:41	09/30/23 00:12	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.0**	mg/kg	1.6	0.77	12	2	09/19/23 07:37	09/20/23 17:01	7440-38-2	
Barium	**176**	mg/kg	32.3	1.6	550	2	09/19/23 07:37	09/20/23 17:01	7440-39-3	
Cadmium	ND	mg/kg	0.81	0.11	3.9	2	09/19/23 07:37	09/20/23 17:01	7440-43-9	
Chromium	**33.4**	mg/kg	1.6	0.73	100	2	09/19/23 07:37	09/20/23 17:01	7440-47-3	
Lead	**27.3**	mg/kg	0.81	0.52	100	2	09/19/23 07:37	09/20/23 17:01	7439-92-1	
Selenium	**0.96J**	mg/kg	3.2	0.95	20	2	09/19/23 07:37	09/20/23 17:01	7782-49-2	
Silver	ND	mg/kg	1.6	0.42	39	2	09/19/23 07:37	09/20/23 17:01	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.038**	mg/kg	0.018	0.012		1	09/19/23 07:51	09/20/23 11:11	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	**0.00377J**	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 09:57	120-12-7	J
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 09:57	83-32-9	
Acenaphthylene	**0.00590J**	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 09:57	208-96-8	J
Benzo(a)anthracene	**0.0360**	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 09:57	56-55-3	
Benzo(a)pyrene	**0.0400**	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 09:57	50-32-8	
Benzo(b)fluoranthene	**0.0486**	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 09:57	205-99-2	
Benzo(k)fluoranthene	**0.0193**	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 09:57	207-08-9	
Chrysene	**0.0324**	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 09:57	218-01-9	
Dibenz(a,h)anthracene	**0.00586J**	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 09:57	53-70-3	J
Fluoranthene	**0.0570**	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 09:57	206-44-0	
Fluorene	**0.00248J**	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 09:57	86-73-7	J
Indeno(1,2,3-cd)pyrene	**0.0323**	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 09:57	193-39-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-17 (0-2) **Lab ID: 20289601014** Collected: 09/14/23 14:06 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Naphthalene	**0.0238**	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 09:57	91-20-3	
Phenanthrene	**0.0330**	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 09:57	85-01-8	
Pyrene	**0.0520**	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 09:57	129-00-0	
2-Methylnaphthalene	**0.0438**	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 09:57	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 09:57	91-58-7	
Surrogates										
Terphenyl-d14 (S)	71.4	%	23.0-120			1	09/25/23 19:36	09/26/23 09:57	1718-51-0	
Nitrobenzene-d5 (S)	77.6	%	14.0-149			1	09/25/23 19:36	09/26/23 09:57	4165-60-0	
2-Fluorobiphenyl (S)	74.5	%	34.0-125			1	09/25/23 19:36	09/26/23 09:57	321-60-8	

Sample: B-17 (6-8) **Lab ID: 20289601015** Collected: 09/14/23 13:53 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 00:36		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 00:36		
Aliphatic (>C16-C35)	**2.60J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 00:36	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:32		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:32		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:32		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:32		
Surrogates										
o-Terphenyl (S)	68.8	%	40.0-140			1	09/22/23 05:48	09/26/23 06:32	84-15-1	
1-Chloro-octadecane (S)	74.4	%	40.0-140			1	09/22/23 05:48	09/26/23 00:36		
2-Fluorobiphenyl (S)	98.7	%	40.0-140			1	09/22/23 05:48	09/26/23 06:32	321-60-8	
2-Bromonaphthalene (S)	98.7	%	40.0-140			1	09/22/23 05:48	09/26/23 06:32	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.3**	mg/kg	1.7	0.81	12	2	09/19/23 07:37	09/20/23 17:05	7440-38-2	
Barium	**189**	mg/kg	33.9	1.7	550	2	09/19/23 07:37	09/20/23 17:05	7440-39-3	
Cadmium	ND	mg/kg	0.85	0.12	3.9	2	09/19/23 07:37	09/20/23 17:05	7440-43-9	
Chromium	**19.0**	mg/kg	1.7	0.76	100	2	09/19/23 07:37	09/20/23 17:05	7440-47-3	
Lead	**11.5**	mg/kg	0.85	0.54	100	2	09/19/23 07:37	09/20/23 17:05	7439-92-1	
Selenium	**1.3J**	mg/kg	3.4	0.99	20	2	09/19/23 07:37	09/20/23 17:05	7782-49-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-17 (6-8) **Lab ID: 20289601015** Collected: 09/14/23 13:53 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total		Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans								
Silver	ND	mg/kg	1.7	0.44	39	2	09/19/23 07:37	09/20/23 17:05	7440-22-4	
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans								
Mercury	**0.034**	mg/kg	0.019	0.012		1	09/19/23 07:51	09/20/23 11:14	7439-97-6	
SVOA (GC/MS) 8270E-SIM		Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet								
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 08:12	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 08:12	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 08:12	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 08:12	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 08:12	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 08:12	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 08:12	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 08:12	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 08:12	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 08:12	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 08:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 08:12	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 08:12	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 08:12	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 08:12	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 08:12	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 08:12	91-58-7	
Surrogates										
Terphenyl-d14 (S)	71.3	%	23.0-120			1	09/25/23 19:36	09/26/23 08:12	1718-51-0	
Nitrobenzene-d5 (S)	81.2	%	14.0-149			1	09/25/23 19:36	09/26/23 08:12	4165-60-0	
2-Fluorobiphenyl (S)	62.5	%	34.0-125			1	09/25/23 19:36	09/26/23 08:12	321-60-8	

Sample: B-17 (14-16) **Lab ID: 20289601016** Collected: 09/14/23 13:48 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH		Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet								
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 00:58		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 00:58		
Aliphatic (>C16-C35)	**2.35J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 00:58	TPHC16C35	B,J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-17 (14-16) **Lab ID: 20289601016** Collected: 09/14/23 13:48 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:54		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:54		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:54		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:54		
Surrogates										
o-Terphenyl (S)	72.0	%	40.0-140			1	09/22/23 05:48	09/26/23 06:54	84-15-1	
1-Chloro-octadecane (S)	75.8	%	40.0-140			1	09/22/23 05:48	09/26/23 00:58		
2-Fluorobiphenyl (S)	95.0	%	40.0-140			1	09/22/23 05:48	09/26/23 06:54	321-60-8	
2-Bromonaphthalene (S)	93.1	%	40.0-140			1	09/22/23 05:48	09/26/23 06:54	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**4.8**	mg/kg	1.5	0.71	12	2	09/19/23 07:37	09/20/23 17:09	7440-38-2	
Barium	**121**	mg/kg	29.4	1.4	550	2	09/19/23 07:37	09/20/23 17:09	7440-39-3	
Cadmium	ND	mg/kg	0.74	0.10	3.9	2	09/19/23 07:37	09/20/23 17:09	7440-43-9	
Chromium	**12.9**	mg/kg	1.5	0.66	100	2	09/19/23 07:37	09/20/23 17:09	7440-47-3	
Lead	**9.0**	mg/kg	0.74	0.47	100	2	09/19/23 07:37	09/20/23 17:09	7439-92-1	
Selenium	**0.95J**	mg/kg	2.9	0.86	20	2	09/19/23 07:37	09/20/23 17:09	7782-49-2	
Silver	ND	mg/kg	1.5	0.38	39	2	09/19/23 07:37	09/20/23 17:09	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.023**	mg/kg	0.013	0.0085		1	09/19/23 07:51	09/20/23 11:16	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 08:30	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 08:30	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 08:30	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 08:30	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 08:30	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 08:30	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 08:30	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 08:30	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 08:30	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 08:30	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 08:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 08:30	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 08:30	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 08:30	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 08:30	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-17 (14-16) **Lab ID: 20289601016** Collected: 09/14/23 13:48 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 08:30	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 08:30	91-58-7	
Surrogates										
Terphenyl-d14 (S)	64.5	%	23.0-120			1	09/25/23 19:36	09/26/23 08:30	1718-51-0	
Nitrobenzene-d5 (S)	58.3	%	14.0-149			1	09/25/23 19:36	09/26/23 08:30	4165-60-0	
2-Fluorobiphenyl (S)	55.2	%	34.0-125			1	09/25/23 19:36	09/26/23 08:30	321-60-8	

Sample: B-20 (0-2) **Lab ID: 20289601017** Collected: 09/14/23 15:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 01:20		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 01:20		
Aliphatic (>C16-C35)	**6.24J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 01:20	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 21:03		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 21:03		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 21:03		
Aromatic (>C21-C35)	**4.09J**	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 21:03		J
Surrogates										
o-Terphenyl (S)	55.5	%	40.0-140			1	09/22/23 05:48	09/26/23 21:03	84-15-1	
1-Chloro-octadecane (S)	59.1	%	40.0-140			1	09/22/23 05:48	09/26/23 01:20		
2-Fluorobiphenyl (S)	99.8	%	40.0-140			1	09/22/23 05:48	09/26/23 21:03	321-60-8	
2-Bromonaphthalene (S)	97.9	%	40.0-140			1	09/22/23 05:48	09/26/23 21:03	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4270	936	1200000	1	09/15/23 12:50	09/20/23 19:02		
Aliphatic (>C08-C10)	ND	ug/kg	3510	1170	120000	1	09/15/23 12:50	09/20/23 19:02		
Aromatic (>C08-C10)	ND	ug/kg	3510	337	65000	1	09/15/23 12:50	09/20/23 19:02		
Surrogates										
4-Bromofluorobenzene (S)	93	%.	63-133			1	09/15/23 12:50	09/20/23 19:02	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	5.9	0.88	3.1	2	09/19/23 07:37	09/20/23 17:20	7440-36-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (0-2) **Lab ID: 20289601017** Collected: 09/14/23 15:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**2.3**	mg/kg	2.0	0.94	12	2	09/19/23 07:37	09/20/23 17:20	7440-38-2	
Barium	**138**	mg/kg	39.2	1.9	550	2	09/19/23 07:37	09/20/23 17:20	7440-39-3	
Beryllium	**0.60J**	mg/kg	0.98	0.14	8	2	09/19/23 07:37	09/20/23 17:20	7440-41-7	
Cadmium	ND	mg/kg	0.98	0.14	3.9	2	09/19/23 07:37	09/20/23 17:20	7440-43-9	
Chromium	**19.1**	mg/kg	2.0	0.88	100	2	09/19/23 07:37	09/20/23 17:20	7440-47-3	
Cobalt	**6.2**	mg/kg	2.0	0.41	470	2	09/19/23 07:37	09/20/23 17:20	7440-48-4	
Copper	**20.0**	mg/kg	2.0	0.47	310	2	09/19/23 07:37	09/20/23 17:20	7440-50-8	
Lead	**14.1**	mg/kg	0.98	0.63	100	2	09/19/23 07:37	09/20/23 17:20	7439-92-1	
Nickel	**15.8**	mg/kg	7.8	6.3	160	2	09/19/23 07:37	09/20/23 17:20	7440-02-0	
Selenium	**1.3J**	mg/kg	3.9	1.2	20	2	09/19/23 07:37	09/20/23 17:20	7782-49-2	
Silver	ND	mg/kg	2.0	0.51	39	2	09/19/23 07:37	09/20/23 17:20	7440-22-4	
Thallium	ND	mg/kg	0.98	0.75	.55	2	09/19/23 07:37	09/20/23 17:20	7440-28-0	
Vanadium	**35.4**	mg/kg	9.8	4.0	55	2	09/19/23 07:37	09/20/23 17:20	7440-62-2	
Zinc	**57.5**	mg/kg	9.8	5.0	2300	2	09/19/23 07:37	09/20/23 17:20	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.031**	mg/kg	0.019	0.013		1	09/19/23 07:51	09/20/23 11:23	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	**0.00430J**	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 10:51	120-12-7	J
Acenaphthene	**0.00391J**	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 10:51	83-32-9	J
Acenaphthylene	**0.00226J**	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 10:51	208-96-8	J
Benzo(a)anthracene	**0.0100**	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 10:51	56-55-3	
Benzo(a)pyrene	**0.0119**	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 10:51	50-32-8	
Benzo(b)fluoranthene	**0.0186**	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 10:51	205-99-2	
Benzo(k)fluoranthene	**0.00534J**	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 10:51	207-08-9	J
Chrysene	**0.0118**	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 10:51	218-01-9	
Dibenz(a,h)anthracene	**0.00211J**	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 10:51	53-70-3	J
Fluoranthene	**0.0210**	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 10:51	206-44-0	
Fluorene	**0.00546J**	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 10:51	86-73-7	J
Indeno(1,2,3-cd)pyrene	**0.0103**	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 10:51	193-39-5	
Naphthalene	**0.00901J**	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 10:51	91-20-3	J
Phenanthrene	**0.0178**	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 10:51	85-01-8	
Pyrene	**0.0185**	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 10:51	129-00-0	
2-Methylnaphthalene	**0.0116J**	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 10:51	91-57-6	J
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 10:51	91-58-7	
Surrogates										
Terphenyl-d14 (S)	59.3	%	23.0-120			1	09/25/23 19:36	09/26/23 10:51	1718-51-0	
Nitrobenzene-d5 (S)	70.6	%	14.0-149			1	09/25/23 19:36	09/26/23 10:51	4165-60-0	
2-Fluorobiphenyl (S)	61.9	%	34.0-125			1	09/25/23 19:36	09/26/23 10:51	321-60-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (0-2) **Lab ID: 20289601017** Collected: 09/14/23 15:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0053J**	mg/kg	0.0087	0.0038	1.5	1	09/15/23 12:30	09/22/23 19:51	67-64-1	
Benzene	ND	mg/kg	0.0044	0.0012	.051	1	09/15/23 12:30	09/22/23 19:51	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0044	0.0013	.92	1	09/15/23 12:30	09/22/23 19:51	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0014	1.8	1	09/15/23 12:30	09/22/23 19:51	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0012	.04	1	09/15/23 12:30	09/22/23 19:51	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0087	0.0026	5	1	09/15/23 12:30	09/22/23 19:51	78-93-3	
Carbon disulfide	ND	mg/kg	0.0044	0.0013	11	1	09/15/23 12:30	09/22/23 19:51	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.00093	.11	1	09/15/23 12:30	09/22/23 19:51	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0013	3	1	09/15/23 12:30	09/22/23 19:51	108-90-7	
Chloroethane	ND	mg/kg	0.0044	0.0011	.035	1	09/15/23 12:30	09/22/23 19:51	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0012	.044	1	09/15/23 12:30	09/22/23 19:51	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0011	.1	1	09/15/23 12:30	09/22/23 19:51	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0016	.01	1	09/15/23 12:30	09/22/23 19:51	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0044	0.0014	1	1	09/15/23 12:30	09/22/23 19:51	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0013	7.5	1	09/15/23 12:30	09/22/23 19:51	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0013	.035	1	09/15/23 12:30	09/22/23 19:51	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0012	.085	1	09/15/23 12:30	09/22/23 19:51	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	.49	1	09/15/23 12:30	09/22/23 19:51	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0011	.77	1	09/15/23 12:30	09/22/23 19:51	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0013	.042	1	09/15/23 12:30	09/22/23 19:51	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0013	.04	1	09/15/23 12:30	09/22/23 19:51	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0014	.04	1	09/15/23 12:30	09/22/23 19:51	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0012	19	1	09/15/23 12:30	09/22/23 19:51	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/15/23 12:30	09/22/23 19:51	78-83-1	
Methylene Chloride	ND	mg/kg	0.0044	0.0040	.017	1	09/15/23 12:30	09/22/23 19:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0087	0.0016	6.4	1	09/15/23 12:30	09/22/23 19:51	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0012	.077	1	09/15/23 12:30	09/22/23 19:51	1634-04-4	
Styrene	ND	mg/kg	0.0044	0.0014	11	1	09/15/23 12:30	09/22/23 19:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0013	.046	1	09/15/23 12:30	09/22/23 19:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0017	.006	1	09/15/23 12:30	09/22/23 19:51	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.0013	.18	1	09/15/23 12:30	09/22/23 19:51	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0018	20	1	09/15/23 12:30	09/22/23 19:51	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	14	1	09/15/23 12:30	09/22/23 19:51	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0011	4	1	09/15/23 12:30	09/22/23 19:51	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0013	.058	1	09/15/23 12:30	09/22/23 19:51	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.0013	.073	1	09/15/23 12:30	09/22/23 19:51	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0011	37	1	09/15/23 12:30	09/22/23 19:51	75-69-4	
Vinyl chloride	ND	mg/kg	0.0017	0.00097	.013	1	09/15/23 12:30	09/22/23 19:51	75-01-4	
m&p-Xylene	ND	mg/kg	0.0087	0.0028	18	1	09/15/23 12:30	09/22/23 19:51	179601-23-1	
o-Xylene	ND	mg/kg	0.0044	0.0014	18	1	09/15/23 12:30	09/22/23 19:51	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/15/23 12:30	09/22/23 19:51	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	64-139			1	09/15/23 12:30	09/22/23 19:51	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (0-2) **Lab ID: 20289601017** Collected: 09/14/23 15:03 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Surrogates										
Dibromofluoromethane (S)	98	%.	66-143			1	09/15/23 12:30	09/22/23 19:51	1868-53-7	

Sample: B-20 (2-4) **Lab ID: 20289601018** Collected: 09/14/23 15:25 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 01:43		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 01:43		
Aliphatic (>C16-C35)	**2.81J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 01:43	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:10		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:10		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:10		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 06:10		
Surrogates										
o-Terphenyl (S)	69.9	%	40.0-140			1	09/22/23 05:48	09/26/23 06:10	84-15-1	
1-Chloro-octadecane (S)	75.4	%	40.0-140			1	09/22/23 05:48	09/26/23 01:43		
2-Fluorobiphenyl (S)	98.1	%	40.0-140			1	09/22/23 05:48	09/26/23 06:10	321-60-8	
2-Bromonaphthalene (S)	97.0	%	40.0-140			1	09/22/23 05:48	09/26/23 06:10	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3640	798	1200000	1	09/15/23 12:50	09/20/23 19:28		
Aliphatic (>C08-C10)	ND	ug/kg	3000	997	120000	1	09/15/23 12:50	09/20/23 19:28		
Aromatic (>C08-C10)	ND	ug/kg	3000	287	65000	1	09/15/23 12:50	09/20/23 19:28		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1	09/15/23 12:50	09/20/23 19:28	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.2	0.63	3.1	2	09/19/23 07:37	09/20/23 17:24	7440-36-0	
Arsenic	**3.0**	mg/kg	1.4	0.67	12	2	09/19/23 07:37	09/20/23 17:24	7440-38-2	
Barium	**211**	mg/kg	27.8	1.4	550	2	09/19/23 07:37	09/20/23 17:24	7440-39-3	
Beryllium	**0.35J**	mg/kg	0.69	0.10	8	2	09/19/23 07:37	09/20/23 17:24	7440-41-7	
Cadmium	ND	mg/kg	0.69	0.099	3.9	2	09/19/23 07:37	09/20/23 17:24	7440-43-9	
Chromium	**16.2**	mg/kg	1.4	0.63	100	2	09/19/23 07:37	09/20/23 17:24	7440-47-3	
Cobalt	**6.9**	mg/kg	1.4	0.29	470	2	09/19/23 07:37	09/20/23 17:24	7440-48-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (2-4) **Lab ID: 20289601018** Collected: 09/14/23 15:25 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Copper	**10.6**	mg/kg	1.4	0.33	310	2	09/19/23 07:37	09/20/23 17:24	7440-50-8	
Lead	**8.9**	mg/kg	0.69	0.44	100	2	09/19/23 07:37	09/20/23 17:24	7439-92-1	
Nickel	**15.7**	mg/kg	5.6	4.4	160	2	09/19/23 07:37	09/20/23 17:24	7440-02-0	
Selenium	ND	mg/kg	2.8	0.82	20	2	09/19/23 07:37	09/20/23 17:24	7782-49-2	
Silver	ND	mg/kg	1.4	0.36	39	2	09/19/23 07:37	09/20/23 17:24	7440-22-4	
Thallium	ND	mg/kg	0.69	0.53	.55	2	09/19/23 07:37	09/20/23 17:24	7440-28-0	
Vanadium	**25.5**	mg/kg	6.9	2.8	55	2	09/19/23 07:37	09/20/23 17:24	7440-62-2	
Zinc	**45.6**	mg/kg	6.9	3.6	2300	2	09/19/23 07:37	09/20/23 17:24	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.021**	mg/kg	0.019	0.013		1	09/19/23 07:51	09/20/23 11:26	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 08:47	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 08:47	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 08:47	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 08:47	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 08:47	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 08:47	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 08:47	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 08:47	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 08:47	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 08:47	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 08:47	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 08:47	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 08:47	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 08:47	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 08:47	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 08:47	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 08:47	91-58-7	
Surrogates										
Terphenyl-d14 (S)	51.0	%	23.0-120			1	09/25/23 19:36	09/26/23 08:47	1718-51-0	
Nitrobenzene-d5 (S)	77.0	%	14.0-149			1	09/25/23 19:36	09/26/23 08:47	4165-60-0	
2-Fluorobiphenyl (S)	57.7	%	34.0-125			1	09/25/23 19:36	09/26/23 08:47	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	ND	mg/kg	0.0093	0.0041	1.5	1	09/15/23 12:30	09/22/23 20:10	67-64-1	
Benzene	ND	mg/kg	0.0046	0.0013	.051	1	09/15/23 12:30	09/22/23 20:10	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0046	0.0014	.92	1	09/15/23 12:30	09/22/23 20:10	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (2-4) **Lab ID: 20289601018** Collected: 09/14/23 15:25 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Bromoform	ND	mg/kg	0.0046	0.0015	1.8	1	09/15/23 12:30	09/22/23 20:10	75-25-2	
Bromomethane	ND	mg/kg	0.0046	0.0013	.04	1	09/15/23 12:30	09/22/23 20:10	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0093	0.0027	5	1	09/15/23 12:30	09/22/23 20:10	78-93-3	
Carbon disulfide	ND	mg/kg	0.0046	0.0014	11	1	09/15/23 12:30	09/22/23 20:10	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0046	0.00099	.11	1	09/15/23 12:30	09/22/23 20:10	56-23-5	
Chlorobenzene	ND	mg/kg	0.0046	0.0014	3	1	09/15/23 12:30	09/22/23 20:10	108-90-7	
Chloroethane	ND	mg/kg	0.0046	0.0012	.035	1	09/15/23 12:30	09/22/23 20:10	75-00-3	
Chloroform	ND	mg/kg	0.0046	0.0013	.044	1	09/15/23 12:30	09/22/23 20:10	67-66-3	
Chloromethane	ND	mg/kg	0.0046	0.0011	.1	1	09/15/23 12:30	09/22/23 20:10	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0046	0.0017	.01	1	09/15/23 12:30	09/22/23 20:10	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0046	0.0015	1	1	09/15/23 12:30	09/22/23 20:10	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0046	0.0014	7.5	1	09/15/23 12:30	09/22/23 20:10	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0046	0.0014	.035	1	09/15/23 12:30	09/22/23 20:10	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0046	0.0013	.085	1	09/15/23 12:30	09/22/23 20:10	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0013	.49	1	09/15/23 12:30	09/22/23 20:10	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0046	0.0012	.77	1	09/15/23 12:30	09/22/23 20:10	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0046	0.0014	.042	1	09/15/23 12:30	09/22/23 20:10	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0014	.04	1	09/15/23 12:30	09/22/23 20:10	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0046	0.0015	.04	1	09/15/23 12:30	09/22/23 20:10	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0046	0.0013	19	1	09/15/23 12:30	09/22/23 20:10	100-41-4	
Isobutanol	ND	mg/kg	0.23	0.034	30	1	09/15/23 12:30	09/22/23 20:10	78-83-1	
Methylene Chloride	ND	mg/kg	0.0046	0.0043	.017	1	09/15/23 12:30	09/22/23 20:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0093	0.0017	6.4	1	09/15/23 12:30	09/22/23 20:10	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0046	0.0013	.077	1	09/15/23 12:30	09/22/23 20:10	1634-04-4	
Styrene	ND	mg/kg	0.0046	0.0015	11	1	09/15/23 12:30	09/22/23 20:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0014	.046	1	09/15/23 12:30	09/22/23 20:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0046	0.0018	.006	1	09/15/23 12:30	09/22/23 20:10	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0046	0.0013	.18	1	09/15/23 12:30	09/22/23 20:10	127-18-4	
Toluene	ND	mg/kg	0.0046	0.0020	20	1	09/15/23 12:30	09/22/23 20:10	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0046	0.0014	14	1	09/15/23 12:30	09/22/23 20:10	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0046	0.0012	4	1	09/15/23 12:30	09/22/23 20:10	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0046	0.0014	.058	1	09/15/23 12:30	09/22/23 20:10	79-00-5	
Trichloroethene	ND	mg/kg	0.0046	0.0013	.073	1	09/15/23 12:30	09/22/23 20:10	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0046	0.0011	37	1	09/15/23 12:30	09/22/23 20:10	75-69-4	
Vinyl chloride	ND	mg/kg	0.0019	0.0010	.013	1	09/15/23 12:30	09/22/23 20:10	75-01-4	
m&p-Xylene	ND	mg/kg	0.0093	0.0030	18	1	09/15/23 12:30	09/22/23 20:10	179601-23-1	
o-Xylene	ND	mg/kg	0.0046	0.0014	18	1	09/15/23 12:30	09/22/23 20:10	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/15/23 12:30	09/22/23 20:10	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	64-139			1	09/15/23 12:30	09/22/23 20:10	460-00-4	
Dibromofluoromethane (S)	99	%.	66-143			1	09/15/23 12:30	09/22/23 20:10	1868-53-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (5-7) **Lab ID: 20289601019** Collected: 09/14/23 15:15 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 02:05		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 02:05		
Aliphatic (>C16-C35)	**2.52J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 02:05	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:47		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:47		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:47		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:47		
Surrogates										
o-Terphenyl (S)	80.9	%	40.0-140			1	09/22/23 05:48	09/26/23 05:47	84-15-1	
1-Chloro-octadecane (S)	83.8	%	40.0-140			1	09/22/23 05:48	09/26/23 02:05		
2-Fluorobiphenyl (S)	100	%	40.0-140			1	09/22/23 05:48	09/26/23 05:47	321-60-8	
2-Bromonaphthalene (S)	98.4	%	40.0-140			1	09/22/23 05:48	09/26/23 05:47	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	3750	823	1200000	1	09/15/23 12:50	09/20/23 19:53		
Aliphatic (>C08-C10)	ND	ug/kg	3090	1030	120000	1	09/15/23 12:50	09/20/23 19:53		
Aromatic (>C08-C10)	ND	ug/kg	3090	296	65000	1	09/15/23 12:50	09/20/23 19:53		
Surrogates										
4-Bromofluorobenzene (S)	94	%.	63-133			1	09/15/23 12:50	09/20/23 19:53	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.8	0.71	3.1	2	09/19/23 07:37	09/20/23 17:28	7440-36-0	
Arsenic	**2.6**	mg/kg	1.6	0.76	12	2	09/19/23 07:37	09/20/23 17:28	7440-38-2	
Barium	**110**	mg/kg	31.7	1.6	550	2	09/19/23 07:37	09/20/23 17:28	7440-39-3	
Beryllium	**0.23J**	mg/kg	0.79	0.12	8	2	09/19/23 07:37	09/20/23 17:28	7440-41-7	
Cadmium	ND	mg/kg	0.79	0.11	3.9	2	09/19/23 07:37	09/20/23 17:28	7440-43-9	
Chromium	**10.5**	mg/kg	1.6	0.71	100	2	09/19/23 07:37	09/20/23 17:28	7440-47-3	
Cobalt	**5.5**	mg/kg	1.6	0.33	470	2	09/19/23 07:37	09/20/23 17:28	7440-48-4	
Copper	**8.3**	mg/kg	1.6	0.38	310	2	09/19/23 07:37	09/20/23 17:28	7440-50-8	
Lead	**7.3**	mg/kg	0.79	0.51	100	2	09/19/23 07:37	09/20/23 17:28	7439-92-1	
Nickel	**11.8**	mg/kg	6.3	5.1	160	2	09/19/23 07:37	09/20/23 17:28	7440-02-0	
Selenium	ND	mg/kg	3.2	0.93	20	2	09/19/23 07:37	09/20/23 17:28	7782-49-2	
Silver	ND	mg/kg	1.6	0.41	39	2	09/19/23 07:37	09/20/23 17:28	7440-22-4	
Thallium	ND	mg/kg	0.79	0.61	.55	2	09/19/23 07:37	09/20/23 17:28	7440-28-0	
Vanadium	**21.3**	mg/kg	7.9	3.2	55	2	09/19/23 07:37	09/20/23 17:28	7440-62-2	
Zinc	**29.0**	mg/kg	7.9	4.1	2300	2	09/19/23 07:37	09/20/23 17:28	7440-66-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (5-7) **Lab ID: 20289601019** Collected: 09/14/23 15:15 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
7471 Mercury		Analytical Method: EPA 7471 Preparation Method: EPA 7471								
		Pace Analytical Services - New Orleans								
Mercury	**0.011J**	mg/kg	0.015	0.0098		1	09/19/23 07:51	09/20/23 11:28	7439-97-6	
SVOA (GC/MS) 8270E-SIM		Analytical Method: EPA 8270E by SIM Preparation Method: 3546								
		Pace National - Mt. Juliet								
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 09:05	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 09:05	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 09:05	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 09:05	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 09:05	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 09:05	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 09:05	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 09:05	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 09:05	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 09:05	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 09:05	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 09:05	193-39-5	
Naphthalene	**0.00443J**	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 09:05	91-20-3	J
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 09:05	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 09:05	129-00-0	
2-Methylnaphthalene	**0.00475J**	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 09:05	91-57-6	J
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 09:05	91-58-7	
Surrogates										
Terphenyl-d14 (S)	70.1	%	23.0-120			1	09/25/23 19:36	09/26/23 09:05	1718-51-0	
Nitrobenzene-d5 (S)	78.2	%	14.0-149			1	09/25/23 19:36	09/26/23 09:05	4165-60-0	
2-Fluorobiphenyl (S)	76.4	%	34.0-125			1	09/25/23 19:36	09/26/23 09:05	321-60-8	
8260 MSV 5035 Low Level		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
		Pace Analytical Services - New Orleans								
Acetone	ND	mg/kg	0.0089	0.0039	1.5	1	09/15/23 12:30	09/22/23 20:29	67-64-1	
Benzene	ND	mg/kg	0.0044	0.0012	.051	1	09/15/23 12:30	09/22/23 20:29	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0044	0.0013	.92	1	09/15/23 12:30	09/22/23 20:29	75-27-4	
Bromoform	ND	mg/kg	0.0044	0.0015	1.8	1	09/15/23 12:30	09/22/23 20:29	75-25-2	
Bromomethane	ND	mg/kg	0.0044	0.0013	.04	1	09/15/23 12:30	09/22/23 20:29	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.0089	0.0026	5	1	09/15/23 12:30	09/22/23 20:29	78-93-3	
Carbon disulfide	ND	mg/kg	0.0044	0.0013	11	1	09/15/23 12:30	09/22/23 20:29	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0044	0.00095	.11	1	09/15/23 12:30	09/22/23 20:29	56-23-5	
Chlorobenzene	ND	mg/kg	0.0044	0.0013	3	1	09/15/23 12:30	09/22/23 20:29	108-90-7	
Chloroethane	ND	mg/kg	0.0044	0.0011	.035	1	09/15/23 12:30	09/22/23 20:29	75-00-3	
Chloroform	ND	mg/kg	0.0044	0.0012	.044	1	09/15/23 12:30	09/22/23 20:29	67-66-3	
Chloromethane	ND	mg/kg	0.0044	0.0011	.1	1	09/15/23 12:30	09/22/23 20:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0044	0.0016	.01	1	09/15/23 12:30	09/22/23 20:29	96-12-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (5-7) **Lab ID: 20289601019** Collected: 09/14/23 15:15 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Dibromochloromethane	ND	mg/kg	0.0044	0.0014	1	1	09/15/23 12:30	09/22/23 20:29	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0044	0.0013	7.5	1	09/15/23 12:30	09/22/23 20:29	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0044	0.0013	.035	1	09/15/23 12:30	09/22/23 20:29	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0044	0.0012	.085	1	09/15/23 12:30	09/22/23 20:29	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0012	.49	1	09/15/23 12:30	09/22/23 20:29	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0044	0.0011	.77	1	09/15/23 12:30	09/22/23 20:29	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0044	0.0013	.042	1	09/15/23 12:30	09/22/23 20:29	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0013	.04	1	09/15/23 12:30	09/22/23 20:29	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0044	0.0014	.04	1	09/15/23 12:30	09/22/23 20:29	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0044	0.0012	19	1	09/15/23 12:30	09/22/23 20:29	100-41-4	
Isobutanol	ND	mg/kg	0.22	0.032	30	1	09/15/23 12:30	09/22/23 20:29	78-83-1	
Methylene Chloride	ND	mg/kg	0.0044	0.0041	.017	1	09/15/23 12:30	09/22/23 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.0089	0.0017	6.4	1	09/15/23 12:30	09/22/23 20:29	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0044	0.0013	.077	1	09/15/23 12:30	09/22/23 20:29	1634-04-4	
Styrene	ND	mg/kg	0.0044	0.0014	11	1	09/15/23 12:30	09/22/23 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0013	.046	1	09/15/23 12:30	09/22/23 20:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0044	0.0017	.006	1	09/15/23 12:30	09/22/23 20:29	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0044	0.0013	.18	1	09/15/23 12:30	09/22/23 20:29	127-18-4	
Toluene	ND	mg/kg	0.0044	0.0019	20	1	09/15/23 12:30	09/22/23 20:29	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0044	0.0013	14	1	09/15/23 12:30	09/22/23 20:29	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0044	0.0011	4	1	09/15/23 12:30	09/22/23 20:29	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0044	0.0013	.058	1	09/15/23 12:30	09/22/23 20:29	79-00-5	
Trichloroethene	ND	mg/kg	0.0044	0.0013	.073	1	09/15/23 12:30	09/22/23 20:29	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0044	0.0011	37	1	09/15/23 12:30	09/22/23 20:29	75-69-4	
Vinyl chloride	ND	mg/kg	0.0018	0.00098	.013	1	09/15/23 12:30	09/22/23 20:29	75-01-4	
m&p-Xylene	ND	mg/kg	0.0089	0.0029	18	1	09/15/23 12:30	09/22/23 20:29	179601-23-1	
o-Xylene	ND	mg/kg	0.0044	0.0014	18	1	09/15/23 12:30	09/22/23 20:29	95-47-6	
Surrogates										
Toluene-d8 (S)	100	%.	75-125			1	09/15/23 12:30	09/22/23 20:29	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	64-139			1	09/15/23 12:30	09/22/23 20:29	460-00-4	
Dibromofluoromethane (S)	97	%.	66-143			1	09/15/23 12:30	09/22/23 20:29	1868-53-7	

Sample: B-20 (14-16) **Lab ID: 20289601020** Collected: 09/14/23 14:56 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 02:27		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 02:27		
Aliphatic (>C16-C35)	**2.85J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 02:27	TPHC16C35	B,J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (14-16) **Lab ID: 20289601020** Collected: 09/14/23 14:56 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:25		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:25		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:25		
Aromatic (>C21-C35)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 05:25		
Surrogates										
o-Terphenyl (S)	66.0	%	40.0-140			1	09/22/23 05:48	09/26/23 05:25	84-15-1	
1-Chloro-octadecane (S)	72.5	%	40.0-140			1	09/22/23 05:48	09/26/23 02:27		
2-Fluorobiphenyl (S)	96.9	%	40.0-140			1	09/22/23 05:48	09/26/23 05:25	321-60-8	
2-Bromonaphthalene (S)	96.5	%	40.0-140			1	09/22/23 05:48	09/26/23 05:25	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Preparation Method: EPA 5035 Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/kg	4360	957	1200000	1	09/15/23 12:50	09/20/23 20:19		
Aliphatic (>C08-C10)	ND	ug/kg	3590	1200	120000	1	09/15/23 12:50	09/20/23 20:19		
Aromatic (>C08-C10)	ND	ug/kg	3590	344	65000	1	09/15/23 12:50	09/20/23 20:19		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1	09/15/23 12:50	09/20/23 20:19	460-00-4	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Antimony	ND	mg/kg	4.4	0.66	3.1	2	09/19/23 07:37	09/20/23 17:32	7440-36-0	
Arsenic	**2.3**	mg/kg	1.5	0.71	12	2	09/19/23 07:37	09/20/23 17:32	7440-38-2	
Barium	**124**	mg/kg	29.4	1.4	550	2	09/19/23 07:37	09/20/23 17:32	7440-39-3	
Beryllium	**0.34J**	mg/kg	0.74	0.11	8	2	09/19/23 07:37	09/20/23 17:32	7440-41-7	
Cadmium	ND	mg/kg	0.74	0.10	3.9	2	09/19/23 07:37	09/20/23 17:32	7440-43-9	
Chromium	**13.8**	mg/kg	1.5	0.66	100	2	09/19/23 07:37	09/20/23 17:32	7440-47-3	
Cobalt	**6.1**	mg/kg	1.5	0.31	470	2	09/19/23 07:37	09/20/23 17:32	7440-48-4	
Copper	**13.2**	mg/kg	1.5	0.35	310	2	09/19/23 07:37	09/20/23 17:32	7440-50-8	
Lead	**9.4**	mg/kg	0.74	0.47	100	2	09/19/23 07:37	09/20/23 17:32	7439-92-1	
Nickel	**14.2**	mg/kg	5.9	4.7	160	2	09/19/23 07:37	09/20/23 17:32	7440-02-0	
Selenium	**0.96J**	mg/kg	2.9	0.86	20	2	09/19/23 07:37	09/20/23 17:32	7782-49-2	
Silver	ND	mg/kg	1.5	0.38	39	2	09/19/23 07:37	09/20/23 17:32	7440-22-4	
Thallium	ND	mg/kg	0.74	0.56	.55	2	09/19/23 07:37	09/20/23 17:32	7440-28-0	
Vanadium	**25.5**	mg/kg	7.4	3.0	55	2	09/19/23 07:37	09/20/23 17:32	7440-62-2	
Zinc	**44.1**	mg/kg	7.4	3.8	2300	2	09/19/23 07:37	09/20/23 17:32	7440-66-6	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.016**	mg/kg	0.014	0.0091		1	09/19/23 07:51	09/20/23 11:30	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (14-16) **Lab ID: 20289601020** Collected: 09/14/23 14:56 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	ND	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 09:23	120-12-7	
Acenaphthene	ND	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 09:23	83-32-9	
Acenaphthylene	ND	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 09:23	208-96-8	
Benzo(a)anthracene	ND	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 09:23	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 09:23	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 09:23	205-99-2	
Benzo(k)fluoranthene	ND	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 09:23	207-08-9	
Chrysene	ND	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 09:23	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 09:23	53-70-3	
Fluoranthene	ND	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 09:23	206-44-0	
Fluorene	ND	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 09:23	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 09:23	193-39-5	
Naphthalene	ND	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 09:23	91-20-3	
Phenanthrene	ND	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 09:23	85-01-8	
Pyrene	ND	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 09:23	129-00-0	
2-Methylnaphthalene	ND	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 09:23	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 09:23	91-58-7	
Surrogates										
Terphenyl-d14 (S)	68.5	%	23.0-120			1	09/25/23 19:36	09/26/23 09:23	1718-51-0	
Nitrobenzene-d5 (S)	65.5	%	14.0-149			1	09/25/23 19:36	09/26/23 09:23	4165-60-0	
2-Fluorobiphenyl (S)	67.4	%	34.0-125			1	09/25/23 19:36	09/26/23 09:23	321-60-8	
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
Acetone	**0.0055J**	mg/kg	0.010	0.0044	1.5	1	09/15/23 12:30	09/22/23 20:48	67-64-1	
Benzene	ND	mg/kg	0.0050	0.0014	.051	1	09/15/23 12:30	09/22/23 20:48	71-43-2	
Bromodichloromethane	ND	mg/kg	0.0050	0.0015	.92	1	09/15/23 12:30	09/22/23 20:48	75-27-4	
Bromoform	ND	mg/kg	0.0050	0.0016	1.8	1	09/15/23 12:30	09/22/23 20:48	75-25-2	
Bromomethane	ND	mg/kg	0.0050	0.0014	.04	1	09/15/23 12:30	09/22/23 20:48	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.010	0.0029	5	1	09/15/23 12:30	09/22/23 20:48	78-93-3	
Carbon disulfide	ND	mg/kg	0.0050	0.0015	11	1	09/15/23 12:30	09/22/23 20:48	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.0050	0.0011	.11	1	09/15/23 12:30	09/22/23 20:48	56-23-5	
Chlorobenzene	ND	mg/kg	0.0050	0.0015	3	1	09/15/23 12:30	09/22/23 20:48	108-90-7	
Chloroethane	ND	mg/kg	0.0050	0.0012	.035	1	09/15/23 12:30	09/22/23 20:48	75-00-3	
Chloroform	ND	mg/kg	0.0050	0.0014	.044	1	09/15/23 12:30	09/22/23 20:48	67-66-3	
Chloromethane	ND	mg/kg	0.0050	0.0012	.1	1	09/15/23 12:30	09/22/23 20:48	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/kg	0.0050	0.0018	.01	1	09/15/23 12:30	09/22/23 20:48	96-12-8	
Dibromochloromethane	ND	mg/kg	0.0050	0.0016	1	1	09/15/23 12:30	09/22/23 20:48	124-48-1	
1,1-Dichloroethane	ND	mg/kg	0.0050	0.0015	7.5	1	09/15/23 12:30	09/22/23 20:48	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.0050	0.0015	.035	1	09/15/23 12:30	09/22/23 20:48	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.0050	0.0014	.085	1	09/15/23 12:30	09/22/23 20:48	75-35-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: B-20 (14-16) **Lab ID: 20289601020** Collected: 09/14/23 14:56 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Low Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - New Orleans									
cis-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0014	.49	1	09/15/23 12:30	09/22/23 20:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.0050	0.0013	.77	1	09/15/23 12:30	09/22/23 20:48	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.0050	0.0015	.042	1	09/15/23 12:30	09/22/23 20:48	78-87-5	
cis-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0015	.04	1	09/15/23 12:30	09/22/23 20:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.0050	0.0016	.04	1	09/15/23 12:30	09/22/23 20:48	10061-02-6	
Ethylbenzene	ND	mg/kg	0.0050	0.0014	19	1	09/15/23 12:30	09/22/23 20:48	100-41-4	
Isobutanol	ND	mg/kg	0.25	0.036	30	1	09/15/23 12:30	09/22/23 20:48	78-83-1	
Methylene Chloride	ND	mg/kg	0.0050	0.0046	.017	1	09/15/23 12:30	09/22/23 20:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.010	0.0019	6.4	1	09/15/23 12:30	09/22/23 20:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.0050	0.0014	.077	1	09/15/23 12:30	09/22/23 20:48	1634-04-4	
Styrene	ND	mg/kg	0.0050	0.0016	11	1	09/15/23 12:30	09/22/23 20:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0015	.046	1	09/15/23 12:30	09/22/23 20:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.0050	0.0019	.006	1	09/15/23 12:30	09/22/23 20:48	79-34-5	
Tetrachloroethene	ND	mg/kg	0.0050	0.0014	.18	1	09/15/23 12:30	09/22/23 20:48	127-18-4	
Toluene	ND	mg/kg	0.0050	0.0021	20	1	09/15/23 12:30	09/22/23 20:48	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/kg	0.0050	0.0015	14	1	09/15/23 12:30	09/22/23 20:48	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.0050	0.0013	4	1	09/15/23 12:30	09/22/23 20:48	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.0050	0.0015	.058	1	09/15/23 12:30	09/22/23 20:48	79-00-5	
Trichloroethene	ND	mg/kg	0.0050	0.0014	.073	1	09/15/23 12:30	09/22/23 20:48	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.0050	0.0012	37	1	09/15/23 12:30	09/22/23 20:48	75-69-4	
Vinyl chloride	ND	mg/kg	0.0020	0.0011	.013	1	09/15/23 12:30	09/22/23 20:48	75-01-4	
m&p-Xylene	ND	mg/kg	0.010	0.0032	18	1	09/15/23 12:30	09/22/23 20:48	179601-23-1	
o-Xylene	ND	mg/kg	0.0050	0.0016	18	1	09/15/23 12:30	09/22/23 20:48	95-47-6	
Surrogates										
Toluene-d8 (S)	99	%.	75-125			1	09/15/23 12:30	09/22/23 20:48	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	64-139			1	09/15/23 12:30	09/22/23 20:48	460-00-4	
Dibromofluoromethane (S)	98	%.	66-143			1	09/15/23 12:30	09/22/23 20:48	1868-53-7	

Sample: Dup-2 **Lab ID: 20289601021** Collected: 09/14/23 10:38 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 02:49		
Aliphatic (>C12-C16)	ND	mg/kg	25.0	1.68		1	09/22/23 05:48	09/26/23 02:49		
Aliphatic (>C16-C35)	**2.64J**	mg/kg	100	1.68		1	09/22/23 05:48	09/26/23 02:49	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:41		
Aromatic (>C12-C16)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:41		
Aromatic (>C16-C21)	ND	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:41		
Aromatic (>C21-C35)	**2.19J**	mg/kg	25.0	2.12		1	09/22/23 05:48	09/26/23 20:41		J

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: Dup-2 **Lab ID: 20289601021** Collected: 09/14/23 10:38 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Surrogates										
o-Terphenyl (S)	77.3	%	40.0-140			1	09/22/23 05:48	09/26/23 20:41	84-15-1	
1-Chloro-octadecane (S)	83.1	%	40.0-140			1	09/22/23 05:48	09/26/23 02:49		
2-Fluorobiphenyl (S)	96.9	%	40.0-140			1	09/22/23 05:48	09/26/23 20:41	321-60-8	
2-Bromonaphthalene (S)	96.5	%	40.0-140			1	09/22/23 05:48	09/26/23 20:41	580-13-2	
6010 Metals, Total	Analytical Method: EPA 6010 Preparation Method: EPA 3050 Pace Analytical Services - New Orleans									
Arsenic	**3.4**	mg/kg	1.7	0.83	12	2	09/19/23 07:37	09/20/23 15:51	7440-38-2	
Barium	**134**	mg/kg	34.5	1.7	550	2	09/19/23 07:37	09/20/23 15:51	7440-39-3	
Cadmium	ND	mg/kg	0.86	0.12	3.9	2	09/19/23 07:37	09/20/23 15:51	7440-43-9	
Chromium	**11.8**	mg/kg	1.7	0.78	100	2	09/19/23 07:37	09/20/23 15:51	7440-47-3	
Lead	**47.8**	mg/kg	0.86	0.55	100	2	09/19/23 07:37	09/20/23 15:51	7439-92-1	
Selenium	**1.8J**	mg/kg	3.4	1.0	20	2	09/19/23 07:37	09/20/23 15:51	7782-49-2	
Silver	ND	mg/kg	1.7	0.44	39	2	09/19/23 07:37	09/20/23 15:51	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471 Pace Analytical Services - New Orleans									
Mercury	**0.071**	mg/kg	0.016	0.010		1	09/19/23 07:51	09/20/23 10:30	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet									
Anthracene	**0.0429**	mg/kg	0.00600	0.00230		1	09/25/23 19:36	09/26/23 11:08	120-12-7	
Acenaphthene	**0.00454J**	mg/kg	0.00600	0.00209		1	09/25/23 19:36	09/26/23 11:08	83-32-9	J
Acenaphthylene	**0.0130**	mg/kg	0.00600	0.00216		1	09/25/23 19:36	09/26/23 11:08	208-96-8	
Benzo(a)anthracene	**0.191**	mg/kg	0.00600	0.00173		1	09/25/23 19:36	09/26/23 11:08	56-55-3	
Benzo(a)pyrene	**0.218**	mg/kg	0.00600	0.00179		1	09/25/23 19:36	09/26/23 11:08	50-32-8	
Benzo(b)fluoranthene	**0.314**	mg/kg	0.00600	0.00153		1	09/25/23 19:36	09/26/23 11:08	205-99-2	
Benzo(k)fluoranthene	**0.0992**	mg/kg	0.00600	0.00215		1	09/25/23 19:36	09/26/23 11:08	207-08-9	
Chrysene	**0.233**	mg/kg	0.00600	0.00232		1	09/25/23 19:36	09/26/23 11:08	218-01-9	
Dibenz(a,h)anthracene	**0.0375**	mg/kg	0.00600	0.00172		1	09/25/23 19:36	09/26/23 11:08	53-70-3	
Fluoranthene	**0.427**	mg/kg	0.00600	0.00227		1	09/25/23 19:36	09/26/23 11:08	206-44-0	
Fluorene	**0.00246J**	mg/kg	0.00600	0.00205		1	09/25/23 19:36	09/26/23 11:08	86-73-7	J
Indeno(1,2,3-cd)pyrene	**0.206**	mg/kg	0.00600	0.00181		1	09/25/23 19:36	09/26/23 11:08	193-39-5	
Naphthalene	**0.0723**	mg/kg	0.0200	0.00408		1	09/25/23 19:36	09/26/23 11:08	91-20-3	
Phenanthrene	**0.287**	mg/kg	0.00600	0.00231		1	09/25/23 19:36	09/26/23 11:08	85-01-8	
Pyrene	**0.331**	mg/kg	0.00600	0.00200		1	09/25/23 19:36	09/26/23 11:08	129-00-0	
2-Methylnaphthalene	**0.0317**	mg/kg	0.0200	0.00427		1	09/25/23 19:36	09/26/23 11:08	91-57-6	
2-Chloronaphthalene	ND	mg/kg	0.0200	0.00466		1	09/25/23 19:36	09/26/23 11:08	91-58-7	
Surrogates										
Terphenyl-d14 (S)	65.9	%	23.0-120			1	09/25/23 19:36	09/26/23 11:08	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Sample: Dup-2 **Lab ID: 20289601021** Collected: 09/14/23 10:38 Received: 09/15/23 12:20 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM			Analytical Method: EPA 8270E by SIM Preparation Method: 3546 Pace National - Mt. Juliet							
Surrogates										
Nitrobenzene-d5 (S)	73.3	%	14.0-149			1	09/25/23 19:36	09/26/23 11:08	4165-60-0	
2-Fluorobiphenyl (S)	61.4	%	34.0-125			1	09/25/23 19:36	09/26/23 11:08	321-60-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 2137100
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289601004, 20289601005

METHOD BLANK: R3977306-1 Matrix: Water
Associated Lab Samples: 20289601004, 20289601005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	09/22/23 23:08	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/22/23 23:08	
Aliphatic (>C16-C35)	mg/L	ND	0.150	0.0500	09/22/23 23:08	
1-Chloro-octadecane (S)	%	86.5	40.0-140		09/22/23 23:08	

METHOD BLANK: R3977306-6 Matrix: Water
Associated Lab Samples: 20289601004, 20289601005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	09/23/23 15:48	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/23/23 15:48	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	09/23/23 15:48	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	09/23/23 15:48	
o-Terphenyl (S)	%	87.5	40.0-140		09/23/23 15:48	
2-Fluorobiphenyl (S)	%	99.4	40.0-140		09/23/23 15:48	
2-Bromonaphthalene (S)	%	99.4	40.0-140		09/23/23 15:48	

LABORATORY CONTROL SAMPLE & LCSD: R3977306-2 R3977306-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0660	0.0610	66.0	61.0	40.0-140	7.90	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.190	0.190	95.0	95.0	40.0-140	0.00	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.780	0.800	98.0	100	40.0-140	2.50	50	
1-Chloro-octadecane (S)	%				88.8	90.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3977306-7 R3977306-8

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0720	0.0710	72.0	71.0	40.0-140	1.40	50	
Aromatic (>C12-C16)	mg/L	0.300	0.250	0.250	83.0	83.0	40.0-140	0.00	50	
Aromatic (>C16-C21)	mg/L	0.500	0.460	0.490	92.0	98.0	40.0-140	6.30	50	
Aromatic (>C21-C35)	mg/L	0.800	0.720	0.820	90.0	100	40.0-140	13.0	50	
o-Terphenyl (S)	%				87.3	89.9	40.0-140			
2-Fluorobiphenyl (S)	%				97.9	99.4	40.0-140			
2-Bromonaphthalene (S)	%				97.8	101	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977306-4 R3977306-5

Parameter	Units	L1657157-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/L	ND	0.100	0.100	0.0620	0.0560	62.0	56.0	40.0-140	10.0	50	
Aliphatic (>C12-C16)	mg/L	ND	0.200	0.200	0.170	0.140	85.0	70.0	40.0-140	19.0	50	
Aliphatic (>C16-C35)	mg/L	0.0522	0.800	0.800	0.670	0.520	77.0	59.0	40.0-140	25.0	50	
1-Chloro-octadecane (S)	%						46.1	28.4	40.0-140			SR

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977306-9 R3977306-10

Parameter	Units	L1657157-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/L	ND	0.100	0.100	0.0630	0.0600	63.0	60.0	40.0-140	4.90	50	
Aromatic (>C12-C16)	mg/L	ND	0.300	0.300	0.230	0.180	77.0	60.0	40.0-140	24.0	50	
Aromatic (>C16-C21)	mg/L	ND	0.500	0.500	0.410	0.310	82.0	62.0	40.0-140	28.0	50	
Aromatic (>C21-C35)	mg/L	ND	0.800	0.800	0.620	0.480	78.0	60.0	40.0-140	26.0	50	
o-Terphenyl (S)	%						78.5	65.9	40.0-140			
2-Fluorobiphenyl (S)	%						101	98.0	40.0-140			
2-Bromonaphthalene (S)	%						101	97.9	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 2137358
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013

METHOD BLANK: R3976996-1 Matrix: Solid
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/23/23 08:34	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/23/23 08:34	
Aliphatic (>C16-C35)	mg/kg	2.44J	100	1.68	09/23/23 08:34	J
1-Chloro-octadecane (S)	%	59.2	40.0-140		09/23/23 08:34	

METHOD BLANK: R3976996-6 Matrix: Solid
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/23/23 20:41	
o-Terphenyl (S)	%	71.4	40.0-140		09/23/23 20:41	
2-Fluorobiphenyl (S)	%	86.3	40.0-140		09/23/23 20:41	
2-Bromonaphthalene (S)	%	86.8	40.0-140		09/23/23 20:41	

LABORATORY CONTROL SAMPLE & LCSD: R3976996-2 R3976996-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	4.92	5.07	74.0	76.2	40.0-140	3.00	50	
Aliphatic (>C12-C16)	mg/kg	13.3	9.86	10.5	74.1	78.9	40.0-140	6.29	50	
Aliphatic (>C16-C35)	mg/kg	53.2	41.0	43.6	77.1	82.0	40.0-140	6.15	50	
1-Chloro-octadecane (S)	%				69.7	74.2	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3976996-7 R3976996-8

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	4.83	4.87	72.6	73.2	40.0-140	0.825	50	
Aromatic (>C12-C16)	mg/kg	20.0	13.2	13.6	66.0	68.0	40.0-140	2.99	50	
Aromatic (>C16-C21)	mg/kg	33.3	24.9	25.9	74.8	77.8	40.0-140	3.94	50	
Aromatic (>C21-C35)	mg/kg	53.2	39.0	40.8	73.3	76.7	40.0-140	4.51	50	
o-Terphenyl (S)	%				73.5	76.1	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

LABORATORY CONTROL SAMPLE & LCSD: R3976996-7 R3976996-8

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Fluorobiphenyl (S)	%				86.8	83.1	40.0-140			
2-Bromonaphthalene (S)	%				88.3	84.4	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976996-4 R3976996-5

Parameter	Units	20289601002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.55	6.50	4.70	4.60	71.8	70.8	40.0-140	2.15	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.1	13.0	9.77	8.98	74.6	69.1	40.0-140	8.43	50	
Aliphatic (>C16-C35)	mg/kg	2.24	52.4	52.0	40.7	36.8	73.4	66.5	40.0-140	10.1	50	
1-Chloro-octadecane (S)	%						69.1	61.7	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3976996-9 R3976996-10

Parameter	Units	20289601002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.55	6.50	4.68	4.37	71.5	67.2	40.0-140	6.85	50	
Aromatic (>C12-C16)	mg/kg	ND	19.7	19.5	13.3	11.8	67.5	60.5	40.0-140	12.0	50	
Aromatic (>C16-C21)	mg/kg	ND	32.8	32.5	26.1	22.4	79.6	68.9	40.0-140	15.3	50	
Aromatic (>C21-C35)	mg/kg	ND	52.4	52.0	40.5	34.6	77.3	66.5	40.0-140	15.7	50	
o-Terphenyl (S)	%						78.6	67.3	40.0-140			
2-Fluorobiphenyl (S)	%						88.4	86.0	40.0-140			
2-Bromonaphthalene (S)	%						89.9	87.5	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 2137503 Analysis Method: EPH
QC Batch Method: MA DEP/NJ DEP Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

METHOD BLANK: R3977782-1 Matrix: Solid
Associated Lab Samples: 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/25/23 22:22	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/25/23 22:22	
Aliphatic (>C16-C35)	mg/kg	2.66J	100	1.68	09/25/23 22:22	J
1-Chloro-octadecane (S)	%	86.7	40.0-140		09/25/23 22:22	

METHOD BLANK: R3977782-4 Matrix: Solid
Associated Lab Samples: 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/25/23 23:29	
o-Terphenyl (S)	%	85.7	40.0-140		09/25/23 23:29	
2-Fluorobiphenyl (S)	%	102	40.0-140		09/25/23 23:29	
2-Bromonaphthalene (S)	%	101	40.0-140		09/25/23 23:29	

LABORATORY CONTROL SAMPLE & LCSD: R3977782-2 R3977782-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	5.25	5.39	78.9	81.1	40.0-140	2.63	50	
Aliphatic (>C12-C16)	mg/kg	13.3	11.4	11.9	85.7	89.5	40.0-140	4.29	50	
Aliphatic (>C16-C35)	mg/kg	53.2	48.3	51.3	90.8	96.4	40.0-140	6.02	50	
1-Chloro-octadecane (S)	%				89.8	92.1	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3977782-5 R3977782-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	5.52	5.24	83.0	78.8	40.0-140	5.20	50	
Aromatic (>C12-C16)	mg/kg	20.0	17.4	17.0	87.0	85.0	40.0-140	2.33	50	
Aromatic (>C16-C21)	mg/kg	33.3	30.7	31.0	92.2	93.1	40.0-140	0.972	50	
Aromatic (>C21-C35)	mg/kg	53.2	49.8	51.2	93.6	96.2	40.0-140	2.77	50	
o-Terphenyl (S)	%				86.5	85.3	40.0-140			
2-Fluorobiphenyl (S)	%				102	99.4	40.0-140			
2-Bromonaphthalene (S)	%				103	101	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977782-7 R3977782-8

Parameter	Units	L1657164-10 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.55	6.40	5.16	4.70	78.8	73.4	40.0-140	9.33	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.1	12.8	11.2	9.77	85.5	76.3	40.0-140	13.6	50	
Aliphatic (>C16-C35)	mg/kg	2.33	52.4	51.2	46.6	38.1	84.5	69.9	40.0-140	20.1	50	
1-Chloro-octadecane (S)	%						84.5	71.5	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977782-9 R3977782-10

Parameter	Units	L1657164-10 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.55	6.40	5.31	5.31	81.1	83.0	40.0-140	0.00	50	
Aromatic (>C12-C16)	mg/kg	ND	19.7	19.2	17.2	16.9	87.3	88.0	40.0-140	1.76	50	
Aromatic (>C16-C21)	mg/kg	ND	32.8	32.0	30.9	29.9	94.2	93.4	40.0-140	3.29	50	
Aromatic (>C21-C35)	mg/kg	ND	52.4	51.2	51.0	48.5	97.3	94.7	40.0-140	5.03	50	
o-Terphenyl (S)	%						87.2	87.7	40.0-140			
2-Fluorobiphenyl (S)	%						104	104	40.0-140			
2-Bromonaphthalene (S)	%						105	104	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 2141715
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289601014

METHOD BLANK: R3980301-1 Matrix: Solid
Associated Lab Samples: 20289601014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/kg	ND	25.0	1.68	09/29/23 16:45	
Aliphatic (>C12-C16)	mg/kg	ND	25.0	1.68	09/29/23 16:45	
Aliphatic (>C16-C35)	mg/kg	3.27J	100	1.68	09/29/23 16:45	J
1-Chloro-octadecane (S)	%	90.4	40.0-140		09/29/23 16:45	

METHOD BLANK: R3980301-4 Matrix: Solid
Associated Lab Samples: 20289601014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
Aromatic (>C12-C16)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
Aromatic (>C16-C21)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
Aromatic (>C21-C35)	mg/kg	ND	25.0	2.12	09/29/23 17:52	
o-Terphenyl (S)	%	89.8	40.0-140		09/29/23 17:52	
2-Fluorobiphenyl (S)	%	101	40.0-140		09/29/23 17:52	
2-Bromonaphthalene (S)	%	101	40.0-140		09/29/23 17:52	

LABORATORY CONTROL SAMPLE & LCSD: R3980301-2 R3980301-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/kg	6.65	6.02	6.40	90.5	96.2	40.0-140	6.12	50	
Aliphatic (>C12-C16)	mg/kg	13.3	12.4	13.1	93.2	98.5	40.0-140	5.49	50	
Aliphatic (>C16-C35)	mg/kg	53.2	52.6	55.9	98.9	105	40.0-140	6.08	50	
1-Chloro-octadecane (S)	%				90.4	95.1	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3980301-5 R3980301-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/kg	6.65	6.55	6.84	98.5	103	40.0-140	4.33	50	
Aromatic (>C12-C16)	mg/kg	20.0	19.9	20.7	99.5	104	40.0-140	3.94	50	
Aromatic (>C16-C21)	mg/kg	33.3	33.8	35.2	102	106	40.0-140	4.06	50	
Aromatic (>C21-C35)	mg/kg	53.2	50.9	52.9	95.7	99.4	40.0-140	3.85	50	
o-Terphenyl (S)	%				92.9	95.1	40.0-140			
2-Fluorobiphenyl (S)	%				105	108	40.0-140			
2-Bromonaphthalene (S)	%				105	109	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3980301-7 R3980301-8

Parameter	Units	L1657320-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/kg	ND	6.55	6.65	6.27	5.49	95.7	82.6	40.0-140	13.3	50	
Aliphatic (>C12-C16)	mg/kg	ND	13.1	13.3	13.4	11.4	102	85.7	40.0-140	16.1	50	
Aliphatic (>C16-C35)	mg/kg	4.07	52.4	53.2	56.5	49.1	100	84.6	40.0-140	14.0	50	
1-Chloro-octadecane (S)	%						97.3	82.7	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3980301-9 R3980301-10

Parameter	Units	L1657320-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/kg	ND	6.55	6.65	6.03	5.36	92.1	80.6	40.0-140	11.8	50	
Aromatic (>C12-C16)	mg/kg	ND	19.7	20.0	19.3	16.5	98.0	82.5	40.0-140	15.6	50	
Aromatic (>C16-C21)	mg/kg	ND	32.8	33.3	34.1	28.5	104	85.6	40.0-140	17.9	50	
Aromatic (>C21-C35)	mg/kg	ND	52.4	53.2	49.8	43.6	95.0	82.0	40.0-140	13.3	50	
o-Terphenyl (S)	%						94.7	78.4	40.0-140			
2-Fluorobiphenyl (S)	%						104	92.5	40.0-140			
2-Bromonaphthalene (S)	%						105	90.6	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 299800
QC Batch Method: EPA 5035
Analysis Method: MADEP VPH Mod
Analysis Description: 8015 Solid VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601017, 20289601018, 20289601019, 20289601020

METHOD BLANK: 1435579 Matrix: Solid
Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601017, 20289601018, 20289601019, 20289601020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/kg	ND	3500	1160	09/20/23 14:49	
Aliphatic (C06-C08)	ug/kg	ND	4250	932	09/20/23 14:49	
Aromatic (>C08-C10)	ug/kg	ND	3500	335	09/20/23 14:49	
4-Bromofluorobenzene (S)	%.	95	63-133		09/20/23 14:49	

LABORATORY CONTROL SAMPLE: 1435580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/kg	14000	13100	94	72-127	
Aliphatic (C06-C08)	ug/kg	14000	13200	95	75-141	
Aromatic (>C08-C10)	ug/kg	14000	13400	96	76-136	
4-Bromofluorobenzene (S)	%.			96	63-133	

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 299569
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289601004, 20289601005

METHOD BLANK: 1434559 Matrix: Water
Associated Lab Samples: 20289601004, 20289601005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000064	09/19/23 15:31	

LABORATORY CONTROL SAMPLE: 1434560

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.00099	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434561 1434562

Parameter	Units	20289601004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.001	0.001	0.00096	0.0010	96	100	75-125	4	20	

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 299573
QC Batch Method: EPA 7471
Analysis Method: EPA 7471
Analysis Description: 7471 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601014, 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

METHOD BLANK: 1434569
Matrix: Solid
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601014, 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/kg	ND	0.020	0.013	09/20/23 10:26	

LABORATORY CONTROL SAMPLE: 1434570

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.1	0.099	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434571 1434572

Parameter	Units	20289601002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.018	0.091	0.094	0.11	0.11	98	102	75-125	6	20	

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 299568
QC Batch Method: EPA 3050
Analysis Method: EPA 6010
Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601014, 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

METHOD BLANK: 1434555
Matrix: Solid
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601014, 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/kg	ND	6.0	0.90	09/20/23 15:47	
Arsenic	mg/kg	ND	2.0	0.96	09/20/23 15:47	
Barium	mg/kg	ND	40.0	2.0	09/20/23 15:47	
Beryllium	mg/kg	ND	1.0	0.15	09/20/23 15:47	
Cadmium	mg/kg	ND	1.0	0.14	09/20/23 15:47	
Chromium	mg/kg	ND	2.0	0.90	09/20/23 15:47	
Cobalt	mg/kg	ND	2.0	0.42	09/20/23 15:47	
Copper	mg/kg	ND	2.0	0.48	09/20/23 15:47	
Lead	mg/kg	ND	1.0	0.64	09/20/23 15:47	
Nickel	mg/kg	ND	8.0	6.4	09/20/23 15:47	
Selenium	mg/kg	ND	4.0	1.2	09/20/23 15:47	
Silver	mg/kg	ND	2.0	0.52	09/20/23 15:47	
Thallium	mg/kg	ND	1.0	0.77	09/20/23 15:47	
Vanadium	mg/kg	ND	10.0	4.1	09/20/23 15:47	
Zinc	mg/kg	ND	10.0	5.1	09/20/23 15:47	

LABORATORY CONTROL SAMPLE: 1434556

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	100	99.4	99	85-115	
Arsenic	mg/kg	100	99.1	99	84-115	
Barium	mg/kg	100	107	107	85-115	
Beryllium	mg/kg	100	107	107	85-115	
Cadmium	mg/kg	100	102	102	85-115	
Chromium	mg/kg	100	107	107	85-115	
Cobalt	mg/kg	100	103	103	85-115	
Copper	mg/kg	100	107	107	85-115	
Lead	mg/kg	100	102	102	85-115	
Nickel	mg/kg	100	103	103	85-115	
Selenium	mg/kg	100	88.5	89	77-115	
Silver	mg/kg	50	52.5	105	85-115	
Thallium	mg/kg	50	49.3	99	79-115	
Vanadium	mg/kg	100	106	106	85-115	
Zinc	mg/kg	100	100	100	85-115	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434557 1434558

Parameter	Units	20289601002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	ND	70.4	72.5	36.5	38.0	52	53	80-120	4	20	M1
Arsenic	mg/kg	3.7	70.4	72.5	72.9	75.2	98	99	80-120	3	20	
Barium	mg/kg	116	70.4	72.5	208	222	131	147	80-120	6	20	M1
Beryllium	mg/kg	0.27J	70.4	72.5	76.8	80.1	109	110	80-120	4	20	
Cadmium	mg/kg	ND	70.4	72.5	70.0	72.6	99	100	80-120	4	20	
Chromium	mg/kg	12.4	70.4	72.5	89.1	92.5	109	111	80-120	4	20	
Cobalt	mg/kg	5.5	70.4	72.5	78.0	80.0	103	103	80-120	3	20	
Copper	mg/kg	9.4	70.4	72.5	84.1	86.1	106	106	80-120	2	20	
Lead	mg/kg	7.7	70.4	72.5	78.6	81.8	101	102	80-120	4	20	
Nickel	mg/kg	12.8	70.4	72.5	85.7	88.0	104	104	80-120	3	20	
Selenium	mg/kg	ND	70.4	72.5	63.1	65.5	89	89	80-120	4	20	
Silver	mg/kg	ND	35.2	36.2	36.3	37.6	103	104	80-120	4	20	
Thallium	mg/kg	ND	35.2	36.2	35.4	36.5	101	101	80-120	3	20	
Vanadium	mg/kg	21.5	70.4	72.5	102	105	114	115	80-120	3	20	
Zinc	mg/kg	35.8	70.4	72.5	108	110	102	103	80-120	2	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 299567
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289601004, 20289601005

METHOD BLANK: 1434551 Matrix: Water
Associated Lab Samples: 20289601004, 20289601005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0010	0.00034	09/19/23 14:01	
Arsenic	mg/L	ND	0.0010	0.00010	09/19/23 14:01	
Barium	mg/L	ND	0.0010	0.00064	09/19/23 14:01	
Beryllium	mg/L	ND	0.0010	0.00021	09/19/23 14:01	
Cadmium	mg/L	ND	0.0010	0.00019	09/19/23 14:01	
Chromium	mg/L	ND	0.0010	0.00063	09/19/23 14:01	
Cobalt	mg/L	ND	0.0010	0.00012	09/19/23 14:01	
Copper	mg/L	ND	0.0030	0.0017	09/19/23 14:01	
Lead	mg/L	ND	0.0010	0.00069	09/19/23 14:01	
Nickel	mg/L	ND	0.0010	0.00062	09/19/23 14:01	
Selenium	mg/L	ND	0.0010	0.00026	09/19/23 14:01	
Silver	mg/L	ND	0.00050	0.00020	09/19/23 14:01	
Thallium	mg/L	ND	0.00050	0.00011	09/19/23 14:01	
Vanadium	mg/L	ND	0.0050	0.00023	09/19/23 14:01	
Zinc	mg/L	ND	0.010	0.0072	09/19/23 14:01	

LABORATORY CONTROL SAMPLE: 1434552

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.06	0.061	101	85-115	
Arsenic	mg/L	0.06	0.060	99	85-115	
Barium	mg/L	0.06	0.061	101	85-115	
Beryllium	mg/L	0.06	0.063	106	84-115	
Cadmium	mg/L	0.06	0.061	102	85-115	
Chromium	mg/L	0.06	0.062	104	85-115	
Cobalt	mg/L	0.06	0.062	103	85-115	
Copper	mg/L	0.06	0.062	103	85-116	
Lead	mg/L	0.06	0.061	102	85-115	
Nickel	mg/L	0.06	0.060	101	85-115	
Selenium	mg/L	0.06	0.060	99	85-115	
Silver	mg/L	0.03	0.031	104	85-115	
Thallium	mg/L	0.03	0.030	100	85-115	
Vanadium	mg/L	0.06	0.062	103	85-115	
Zinc	mg/L	0.06	0.060	100	85-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1434553 1434554

Parameter	Units	20289583011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.06	0.06	0.063	0.064	105	106	80-120	1	20	
Arsenic	mg/L	ND	0.06	0.06	0.063	0.061	103	100	80-120	3	20	
Barium	mg/L	780 ug/L	0.06	0.06	0.91	0.86	219	132	80-120	6	20	M1
Beryllium	mg/L	ND	0.06	0.06	0.055	0.054	91	89	80-120	2	20	
Cadmium	mg/L	ND	0.06	0.06	0.061	0.059	101	99	80-120	2	20	
Chromium	mg/L	ND	0.06	0.06	0.061	0.062	102	103	80-120	1	20	
Cobalt	mg/L	ND	0.06	0.06	0.061	0.060	100	98	80-120	1	20	
Copper	mg/L	ND	0.06	0.06	0.060	0.059	97	96	80-120	1	20	
Lead	mg/L	ND	0.06	0.06	0.065	0.065	107	107	80-120	0	20	
Nickel	mg/L	ND	0.06	0.06	0.058	0.058	96	95	80-120	1	20	
Selenium	mg/L	ND	0.06	0.06	0.060	0.061	99	102	80-120	3	20	
Silver	mg/L	ND	0.03	0.03	0.029	0.029	96	95	80-120	1	20	
Thallium	mg/L	ND	0.03	0.03	0.031	0.031	105	104	80-120	0	20	
Vanadium	mg/L	ND	0.06	0.06	0.066	0.066	107	107	80-120	0	20	
Zinc	mg/L	ND	0.06	0.06	0.063	0.063	101	100	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 2135279
QC Batch Method: 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289601004, 20289601005

METHOD BLANK: R3977230-2 Matrix: Water
Associated Lab Samples: 20289601004, 20289601005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/L	ND	0.0000500	0.0000190	09/20/23 02:53	
Acenaphthene	mg/L	0.0000262J	0.0000500	0.0000190	09/20/23 02:53	J
Acenaphthylene	mg/L	ND	0.0000500	0.0000170	09/20/23 02:53	
Benzo(a)anthracene	mg/L	0.0000213J	0.0000500	0.0000200	09/20/23 02:53	J
Benzo(a)pyrene	mg/L	ND	0.0000500	0.0000180	09/20/23 02:53	
Benzo(b)fluoranthene	mg/L	0.0000242J	0.0000500	0.0000170	09/20/23 02:53	J
Benzo(k)fluoranthene	mg/L	0.0000215J	0.000250	0.0000200	09/20/23 02:53	J
Chrysene	mg/L	0.0000204J	0.0000500	0.0000180	09/20/23 02:53	J
Dibenz(a,h)anthracene	mg/L	0.0000211J	0.0000500	0.0000180	09/20/23 02:53	J
Fluoranthene	mg/L	0.0000183J	0.0000500	0.0000110	09/20/23 02:53	J
Fluorene	mg/L	ND	0.0000500	0.0000170	09/20/23 02:53	
Indeno(1,2,3-cd)pyrene	mg/L	0.0000330J	0.0000500	0.0000180	09/20/23 02:53	J
Naphthalene	mg/L	ND	0.000500	0.000128	09/20/23 02:53	
Phenanthrene	mg/L	ND	0.0000500	0.0000180	09/20/23 02:53	
Pyrene	mg/L	0.0000173J	0.0000500	0.0000170	09/20/23 02:53	J
2-Methylnaphthalene	mg/L	ND	0.000500	0.0000280	09/20/23 02:53	
2-Chloronaphthalene	mg/L	ND	0.000500	0.0000120	09/20/23 02:53	
Nitrobenzene-d5 (S)	%	79.5	11.0-135		09/20/23 02:53	
2-Fluorobiphenyl (S)	%	82	32.0-120		09/20/23 02:53	
Terphenyl-d14 (S)	%	93	23.0-122		09/20/23 02:53	

LABORATORY CONTROL SAMPLE: R3977230-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/L	0.00200	0.00151	75.5	43.0-127	
Acenaphthene	mg/L	0.00200	0.00147	73.5	42.0-120	
Acenaphthylene	mg/L	0.00200	0.00154	77.0	43.0-120	
Benzo(a)anthracene	mg/L	0.00200	0.00164	82.0	46.0-120	
Benzo(a)pyrene	mg/L	0.00200	0.00159	79.5	44.0-122	
Benzo(b)fluoranthene	mg/L	0.00200	0.00159	79.5	43.0-122	
Benzo(k)fluoranthene	mg/L	0.00200	0.00162	81.0	39.0-128	
Chrysene	mg/L	0.00200	0.00168	84.0	42.0-129	
Dibenz(a,h)anthracene	mg/L	0.00200	0.00154	77.0	25.0-139	
Fluoranthene	mg/L	0.00200	0.00162	81.0	48.0-131	
Fluorene	mg/L	0.00200	0.00164	82.0	42.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.00200	0.00162	81.0	37.0-133	
Naphthalene	mg/L	0.00200	0.00150	75.0	30.0-120	
Phenanthrene	mg/L	0.00200	0.00160	80.0	42.0-120	
Pyrene	mg/L	0.00200	0.00168	84.0	38.0-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

LABORATORY CONTROL SAMPLE: R3977230-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/L	0.00200	0.00157	78.5	40.0-120	
2-Chloronaphthalene	mg/L	0.00200	0.00150	75.0	39.0-120	
Nitrobenzene-d5 (S)	%			80.0	11.0-135	
2-Fluorobiphenyl (S)	%			81.5	32.0-120	
Terphenyl-d14 (S)	%			85.0	23.0-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977230-3 R3977230-4

Parameter	Units	L1657251-02 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/L	ND	0.00202	0.00192	0.00142	0.00140	70.3	72.9	28.0-120	1.42	25	
Acenaphthene	mg/L	ND	0.00202	0.00192	0.00142	0.00139	70.3	72.4	16.0-120	2.14	25	
Acenaphthylene	mg/L	ND	0.00202	0.00192	0.00145	0.00144	71.8	75.0	16.0-121	0.692	26	
Benzo(a)anthracene	mg/L	ND	0.00202	0.00192	0.00149	0.00131	73.8	68.2	19.0-125	12.9	26	
Benzo(a)pyrene	mg/L	ND	0.00202	0.00192	0.00128	0.00102	63.4	53.1	10.0-126	22.6	32	
Benzo(b)fluoranthene	mg/L	ND	0.00202	0.00192	0.00129	0.00105	63.9	54.7	10.0-125	20.5	36	
Benzo(k)fluoranthene	mg/L	ND	0.00202	0.00192	0.00126	0.00102	62.4	53.1	10.0-124	21.1	32	
Chrysene	mg/L	ND	0.00202	0.00192	0.00156	0.00140	77.2	72.9	18.0-127	10.8	26	
Dibenz(a,h)anthracene	mg/L	ND	0.00202	0.00192	0.000449	0.000332	22.2	17.3	10.0-132	30.0	43	
Fluoranthene	mg/L	0.0000130	0.00202	0.00192	0.00154	0.00148	75.6	76.4	37.0-122	3.97	23	
Fluorene	mg/L	ND	0.00202	0.00192	0.00153	0.00151	75.7	78.6	20.0-120	1.32	26	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.00202	0.00192	0.000553	0.000408	27.4	21.3	10.0-130	30.2	38	
Naphthalene	mg/L	ND	0.00202	0.00192	0.00138	0.00139	68.3	72.4	14.0-120	0.722	20	
Phenanthrene	mg/L	ND	0.00202	0.00192	0.00158	0.00151	78.2	78.6	26.0-120	4.53	24	
Pyrene	mg/L	ND	0.00202	0.00192	0.00162	0.00153	80.2	79.7	29.0-120	5.71	24	
2-Methylnaphthalene	mg/L	ND	0.00202	0.00192	0.00143	0.00143	70.8	74.5	10.0-143	0.00	24	
2-Chloronaphthalene	mg/L	ND	0.00202	0.00192	0.00142	0.00142	70.3	74.0	16.0-120	0.00	25	
Nitrobenzene-d5 (S)	%						71.8	77.1	11.0-135			
2-Fluorobiphenyl (S)	%						77.2	81.8	32.0-120			
Terphenyl-d14 (S)	%						77.2	73.4	23.0-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 2137999
QC Batch Method: 3546
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013

METHOD BLANK: R3977502-2 Matrix: Solid
Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/kg	ND	0.0333	0.00539	09/23/23 16:40	
Acenaphthylene	mg/kg	ND	0.0333	0.00469	09/23/23 16:40	
Aniline	mg/kg	ND	0.333	0.0311	09/23/23 16:40	
Anthracene	mg/kg	ND	0.0333	0.00593	09/23/23 16:40	
Benzo(a)anthracene	mg/kg	ND	0.0333	0.00587	09/23/23 16:40	
Benzo(b)fluoranthene	mg/kg	ND	0.0333	0.00621	09/23/23 16:40	
Benzo(k)fluoranthene	mg/kg	ND	0.0333	0.00592	09/23/23 16:40	
Benzo(a)pyrene	mg/kg	ND	0.0333	0.00619	09/23/23 16:40	
Biphenyl (Diphenyl)	mg/kg	ND	0.333	0.0106	09/23/23 16:40	
bis(2-Chloroethyl) ether	mg/kg	ND	0.333	0.0110	09/23/23 16:40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.333	0.0144	09/23/23 16:40	
2-Chloronaphthalene	mg/kg	ND	0.0333	0.00585	09/23/23 16:40	
Chrysene	mg/kg	ND	0.0333	0.00662	09/23/23 16:40	
Dibenz(a,h)anthracene	mg/kg	ND	0.0333	0.00923	09/23/23 16:40	
Dibenzofuran	mg/kg	ND	0.333	0.0109	09/23/23 16:40	
4-Chloroaniline	mg/kg	ND	0.333	0.0120	09/23/23 16:40	
1,2-Dichlorobenzene	mg/kg	ND	0.333	0.00987	09/23/23 16:40	
1,3-Dichlorobenzene	mg/kg	ND	0.333	0.0101	09/23/23 16:40	
1,4-Dichlorobenzene	mg/kg	ND	0.333	0.00991	09/23/23 16:40	
3,3'-Dichlorobenzidine	mg/kg	ND	0.333	0.0123	09/23/23 16:40	
2,4-Dinitrotoluene	mg/kg	ND	0.333	0.00955	09/23/23 16:40	
2,6-Dinitrotoluene	mg/kg	ND	0.333	0.0109	09/23/23 16:40	
Fluoranthene	mg/kg	ND	0.0333	0.00601	09/23/23 16:40	
Fluorene	mg/kg	ND	0.0333	0.00542	09/23/23 16:40	
Hexachlorobenzene	mg/kg	ND	0.333	0.0118	09/23/23 16:40	
Hexachloro-1,3-butadiene	mg/kg	ND	0.333	0.0112	09/23/23 16:40	
Hexachlorocyclopentadiene	mg/kg	ND	0.333	0.0175	09/23/23 16:40	
Hexachloroethane	mg/kg	ND	0.333	0.0131	09/23/23 16:40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0333	0.00941	09/23/23 16:40	
Isophorone	mg/kg	ND	0.333	0.0102	09/23/23 16:40	
2-Methylnaphthalene	mg/kg	ND	0.0333	0.00432	09/23/23 16:40	
2-Nitroaniline	mg/kg	ND	0.333	0.0107	09/23/23 16:40	
3-Nitroaniline	mg/kg	ND	0.333	0.0106	09/23/23 16:40	
4-Nitroaniline	mg/kg	ND	0.333	0.00971	09/23/23 16:40	
Naphthalene	mg/kg	ND	0.0333	0.00836	09/23/23 16:40	
Nitrobenzene	mg/kg	ND	0.333	0.0116	09/23/23 16:40	
N-Nitrosodiphenylamine	mg/kg	ND	0.333	0.0252	09/23/23 16:40	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.333	0.0111	09/23/23 16:40	
Phenanthrene	mg/kg	ND	0.0333	0.00661	09/23/23 16:40	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

METHOD BLANK: R3977502-2 Matrix: Solid

Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Butylbenzylphthalate	mg/kg	ND	0.333	0.0104	09/23/23 16:40	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.333	0.0422	09/23/23 16:40	
Diethylphthalate	mg/kg	ND	0.333	0.0110	09/23/23 16:40	
Dimethylphthalate	mg/kg	ND	0.333	0.0706	09/23/23 16:40	
Di-n-octylphthalate	mg/kg	ND	0.333	0.0225	09/23/23 16:40	
Pyrene	mg/kg	ND	0.0333	0.00648	09/23/23 16:40	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.333	0.0159	09/23/23 16:40	
2-Chlorophenol	mg/kg	ND	0.333	0.0110	09/23/23 16:40	
2,4-Dichlorophenol	mg/kg	ND	0.333	0.00970	09/23/23 16:40	
2,4-Dimethylphenol	mg/kg	ND	0.333	0.00870	09/23/23 16:40	
2,4-Dinitrophenol	mg/kg	ND	0.333	0.0779	09/23/23 16:40	
4-Nitrophenol	mg/kg	ND	0.333	0.0104	09/23/23 16:40	
Pentachlorophenol	mg/kg	ND	0.333	0.00896	09/23/23 16:40	
Phenol	mg/kg	ND	0.333	0.0134	09/23/23 16:40	
2,4,5-Trichlorophenol	mg/kg	ND	0.333	0.0113	09/23/23 16:40	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.333	0.0126	09/23/23 16:40	
2,4,6-Trichlorophenol	mg/kg	ND	0.333	0.0107	09/23/23 16:40	
2-Fluorophenol (S)	%	74.6	12.0-120		09/23/23 16:40	
Phenol-d5 (S)	%	68.2	10.0-120		09/23/23 16:40	
Nitrobenzene-d5 (S)	%	60.4	10.0-122		09/23/23 16:40	
2-Fluorobiphenyl (S)	%	68.8	15.0-120		09/23/23 16:40	
2,4,6-Tribromophenol (S)	%	57.1	10.0-127		09/23/23 16:40	
Terphenyl-d14 (S)	%	81.4	10.0-120		09/23/23 16:40	

METHOD BLANK: R3977708-2 Matrix: Solid

Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,3-Dinitrobenzene	mg/kg	ND	0.333	0.0617	09/26/23 12:58	
Dinoseb	mg/kg	ND	0.333	0.0970	09/26/23 12:58	

LABORATORY CONTROL SAMPLE: R3977502-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/kg	0.666	0.382	57.4	38.0-120	
Acenaphthylene	mg/kg	0.666	0.385	57.8	40.0-120	
Aniline	mg/kg	0.666	0.388	58.3	15.0-120	
Anthracene	mg/kg	0.666	0.413	62.0	42.0-120	
Benzo(a)anthracene	mg/kg	0.666	0.469	70.4	44.0-120	
Benzo(b)fluoranthene	mg/kg	0.666	0.481	72.2	43.0-120	
Benzo(k)fluoranthene	mg/kg	0.666	0.457	68.6	44.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

LABORATORY CONTROL SAMPLE: R3977502-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	mg/kg	0.666	0.454	68.2	45.0-120	
Biphenyl (Diphenyl)	mg/kg	0.666	0.392	58.9	39.0-120	
bis(2-Chloroethyl) ether	mg/kg	0.666	0.339	50.9	16.0-120	
2,2'-Oxybis(1-chloropropane)	mg/kg	0.666	0.375	56.3	23.0-120	
2-Chloronaphthalene	mg/kg	0.666	0.382	57.4	35.0-120	
Chrysene	mg/kg	0.666	0.458	68.8	43.0-120	
Dibenz(a,h)anthracene	mg/kg	0.666	0.443	66.5	44.0-120	
Dibenzofuran	mg/kg	0.666	0.384	57.7	44.0-120	
4-Chloroaniline	mg/kg	0.666	0.364	54.7	18.0-120	
1,2-Dichlorobenzene	mg/kg	0.666	0.356	53.5	32.0-120	
1,3-Dichlorobenzene	mg/kg	0.666	0.345	51.8	30.0-120	
1,4-Dichlorobenzene	mg/kg	0.666	0.355	53.3	31.0-120	
3,3'-Dichlorobenzidine	mg/kg	1.33	0.880	66.2	28.0-120	
2,4-Dinitrotoluene	mg/kg	0.666	0.475	71.3	45.0-120	
2,6-Dinitrotoluene	mg/kg	0.666	0.450	67.6	42.0-120	
Fluoranthene	mg/kg	0.666	0.422	63.4	44.0-120	
Fluorene	mg/kg	0.666	0.391	58.7	41.0-120	
Hexachlorobenzene	mg/kg	0.666	0.329	49.4	39.0-120	
Hexachloro-1,3-butadiene	mg/kg	0.666	0.324	48.6	15.0-120	
Hexachlorocyclopentadiene	mg/kg	0.666	0.282	42.3	15.0-120	
Hexachloroethane	mg/kg	0.666	0.367	55.1	17.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.666	0.409	61.4	45.0-120	
Isophorone	mg/kg	0.666	0.331	49.7	23.0-120	
2-Methylnaphthalene	mg/kg	0.666	0.312	46.8	34.0-120	
2-Nitroaniline	mg/kg	0.666	0.484	72.7	46.0-120	
3-Nitroaniline	mg/kg	0.666	0.451	67.7	36.0-120	
4-Nitroaniline	mg/kg	0.666	0.631	94.7	36.0-120	
Naphthalene	mg/kg	0.666	0.305	45.8	18.0-120	
Nitrobenzene	mg/kg	0.666	0.349	52.4	17.0-120	
N-Nitrosodiphenylamine	mg/kg	0.666	0.393	59.0	40.0-120	
N-Nitroso-di-n-propylamine	mg/kg	0.666	0.420	63.1	26.0-120	
Phenanthrene	mg/kg	0.666	0.411	61.7	42.0-120	
Butylbenzylphthalate	mg/kg	0.666	0.494	74.2	40.0-120	
bis(2-Ethylhexyl)phthalate	mg/kg	0.666	0.493	74.0	41.0-120	
Diethylphthalate	mg/kg	0.666	0.419	62.9	43.0-120	
Dimethylphthalate	mg/kg	0.666	0.418	62.8	43.0-120	
Di-n-octylphthalate	mg/kg	0.666	0.500	75.1	40.0-120	
Pyrene	mg/kg	0.666	0.463	69.5	41.0-120	
1,2,4,5-Tetrachlorobenzene	mg/kg	0.666	0.387	58.1	30.0-120	
2-Chlorophenol	mg/kg	0.666	0.392	58.9	28.0-120	
2,4-Dichlorophenol	mg/kg	0.666	0.341	51.2	25.0-120	
2,4-Dimethylphenol	mg/kg	0.666	0.395	59.3	15.0-120	
2,4-Dinitrophenol	mg/kg	0.666	0.440	66.1	10.0-120	
4-Nitrophenol	mg/kg	0.666	0.498	74.8	27.0-120	
Pentachlorophenol	mg/kg	0.666	0.363	54.5	29.0-120	
Phenol	mg/kg	0.666	0.407	61.1	28.0-120	
2,4,5-Trichlorophenol	mg/kg	0.666	0.423	63.5	38.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

LABORATORY CONTROL SAMPLE: R3977502-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,3,4,6-Tetrachlorophenol	mg/kg	0.666	0.475	71.3	39.0-120	
2,4,6-Trichlorophenol	mg/kg	0.666	0.410	61.6	37.0-120	
2-Fluorophenol (S)	%			62.9	12.0-120	
Phenol-d5 (S)	%			59.9	10.0-120	
Nitrobenzene-d5 (S)	%			47.7	10.0-122	
2-Fluorobiphenyl (S)	%			57.7	15.0-120	
2,4,6-Tribromophenol (S)	%			51.2	10.0-127	
Terphenyl-d14 (S)	%			65.2	10.0-120	

LABORATORY CONTROL SAMPLE: R3977708-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	0.666	0.414	62.2	29.0-120	
Dinoseb	mg/kg	0.666	0.414	62.2	26.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977502-3 R3977502-4

Parameter	Units	20289601011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/kg	ND	0.644	0.648	0.413	0.400	64.1	61.7	18.0-120	3.20	32	
Acenaphthylene	mg/kg	ND	0.644	0.648	0.412	0.399	64.0	61.6	25.0-120	3.21	32	
Aniline	mg/kg	ND	0.644	0.648	0.270	0.320	41.9	49.4	10.0-120	16.9	40	
Anthracene	mg/kg	ND	0.644	0.648	0.428	0.429	66.5	66.2	22.0-120	0.233	29	
Benzo(a)anthracene	mg/kg	ND	0.644	0.648	0.486	0.486	75.5	75.0	25.0-120	0.00	29	
Benzo(b)fluoranthene	mg/kg	ND	0.644	0.648	0.473	0.475	73.4	73.3	19.0-122	0.422	31	
Benzo(k)fluoranthene	mg/kg	ND	0.644	0.648	0.444	0.452	68.9	69.8	23.0-120	1.79	30	
Benzo(a)pyrene	mg/kg	ND	0.644	0.648	0.480	0.474	74.5	73.1	24.0-120	1.26	30	
Biphenyl (Diphenyl)	mg/kg	ND	0.644	0.648	0.412	0.405	64.0	62.5	15.0-120	1.71	33	
bis(2-Chloroethyl) ether	mg/kg	ND	0.644	0.648	0.476	0.466	73.9	71.9	10.0-120	2.12	40	
2,2'-Oxybis(1-chloropropane)	mg/kg	ND	0.644	0.648	0.361	0.361	56.1	55.7	10.0-120	0.00	40	
2-Chloronaphthalene	mg/kg	ND	0.644	0.648	0.409	0.392	63.5	60.5	20.0-120	4.24	32	
Chrysene	mg/kg	ND	0.644	0.648	0.477	0.475	74.1	73.3	21.0-120	0.420	29	
Dibenz(a,h)anthracene	mg/kg	ND	0.644	0.648	0.492	0.476	76.4	73.5	10.0-120	3.31	32	
Dibenzofuran	mg/kg	ND	0.644	0.648	0.418	0.406	64.9	62.7	24.0-120	2.91	30	
4-Chloroaniline	mg/kg	ND	0.644	0.648	0.263	0.278	40.8	42.9	10.0-120	5.55	36	
1,2-Dichlorobenzene	mg/kg	ND	0.644	0.648	0.346	0.348	53.7	53.7	10.0-120	0.576	38	
1,3-Dichlorobenzene	mg/kg	ND	0.644	0.648	0.329	0.328	51.1	50.6	10.0-120	0.304	40	
1,4-Dichlorobenzene	mg/kg	ND	0.644	0.648	0.344	0.345	53.4	53.2	10.0-120	0.290	39	
3,3'-Dichlorobenzidine	mg/kg	ND	1.29	1.30	0.884	0.897	68.5	69.0	10.0-120	1.46	34	
2,4-Dinitrotoluene	mg/kg	ND	0.644	0.648	0.500	0.491	77.6	75.8	30.0-120	1.82	31	
2,6-Dinitrotoluene	mg/kg	ND	0.644	0.648	0.470	0.460	73.0	71.0	25.0-120	2.15	31	
Fluoranthene	mg/kg	ND	0.644	0.648	0.443	0.445	68.8	68.7	18.0-126	0.450	32	
Fluorene	mg/kg	ND	0.644	0.648	0.428	0.411	66.5	63.4	25.0-120	4.05	30	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977502-3 R3977502-4

Parameter	Units	20289601011 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachlorobenzene	mg/kg	ND	0.644	0.648	0.355	0.355	55.1	54.8	27.0-120	0.00	28	
Hexachloro-1,3-butadiene	mg/kg	ND	0.644	0.648	0.322	0.323	50.0	49.8	10.0-120	0.310	38	
Hexachlorocyclopentadiene	mg/kg	ND	0.644	0.648	0.214	0.225	33.2	34.7	10.0-120	5.01	40	
Hexachloroethane	mg/kg	ND	0.644	0.648	0.327	0.336	50.8	51.9	10.0-120	2.71	40	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.644	0.648	0.447	0.436	69.4	67.3	10.0-120	2.49	32	
Isophorone	mg/kg	ND	0.644	0.648	0.320	0.318	49.7	49.1	13.0-120	0.627	34	
2-Methylnaphthalene	mg/kg	ND	0.644	0.648	0.321	0.318	49.8	49.1	10.0-120	0.939	37	
2-Nitroaniline	mg/kg	ND	0.644	0.648	0.542	0.521	84.2	80.4	24.0-120	3.95	30	
3-Nitroaniline	mg/kg	ND	0.644	0.648	0.343	0.383	53.3	59.1	11.0-120	11.0	32	
4-Nitroaniline	mg/kg	ND	0.644	0.648	0.595	0.614	92.4	94.8	15.0-120	3.14	31	
Naphthalene	mg/kg	ND	0.644	0.648	0.307	0.299	47.7	46.1	10.0-120	2.64	35	
Nitrobenzene	mg/kg	ND	0.644	0.648	0.322	0.325	50.0	50.2	10.0-120	0.927	36	
N-Nitrosodiphenylamine	mg/kg	ND	0.644	0.648	0.394	0.404	61.2	62.3	17.0-120	2.51	29	
N-Nitroso-di-n-propylamine	mg/kg	ND	0.644	0.648	0.394	0.399	61.2	61.6	10.0-120	1.26	37	
Phenanthrene	mg/kg	ND	0.644	0.648	0.426	0.428	66.1	66.0	17.0-120	0.468	31	
Butylbenzylphthalate	mg/kg	ND	0.644	0.648	0.492	0.483	76.4	74.5	23.0-120	1.85	30	
bis(2-Ethylhexyl)phthalate	mg/kg	ND	0.644	0.648	0.492	0.487	76.4	75.2	17.0-126	1.02	30	
Diethylphthalate	mg/kg	ND	0.644	0.648	0.442	0.429	68.6	66.2	26.0-120	2.99	28	
Dimethylphthalate	mg/kg	ND	0.644	0.648	0.448	0.436	69.6	67.3	25.0-120	2.71	29	
Di-n-octylphthalate	mg/kg	ND	0.644	0.648	0.491	0.493	76.2	76.1	21.0-123	0.407	29	
Pyrene	mg/kg	ND	0.644	0.648	0.482	0.462	74.8	71.3	16.0-121	4.24	32	
1,2,4,5-Tetrachlorobenzene	mg/kg	ND	0.644	0.648	0.408	0.408	63.4	63.0	14.0-120	0.00	36	
2-Chlorophenol	mg/kg	ND	0.644	0.648	0.399	0.398	62.0	61.4	15.0-120	0.251	37	
2,4-Dichlorophenol	mg/kg	ND	0.644	0.648	0.371	0.356	57.6	54.9	20.0-120	4.13	31	
2,4-Dimethylphenol	mg/kg	ND	0.644	0.648	0.412	0.400	64.0	61.7	10.0-120	2.96	33	
2,4-Dinitrophenol	mg/kg	ND	0.644	0.648	0.540	0.457	83.9	70.5	10.0-121	16.6	40	
4-Nitrophenol	mg/kg	ND	0.644	0.648	0.550	0.536	85.4	82.7	10.0-137	2.58	32	
Pentachlorophenol	mg/kg	ND	0.644	0.648	0.407	0.400	63.2	61.7	10.0-160	1.73	31	
Phenol	mg/kg	ND	0.644	0.648	0.412	0.409	64.0	63.1	12.0-120	0.731	38	
2,4,5-Trichlorophenol	mg/kg	ND	0.644	0.648	0.487	0.469	75.6	72.4	20.0-120	3.77	30	
2,3,4,6-Tetrachlorophenol	mg/kg	ND	0.644	0.648	0.534	0.512	82.9	79.0	20.0-120	4.21	31	
2,4,6-Trichlorophenol	mg/kg	ND	0.644	0.648	0.453	0.434	70.3	67.0	19.0-120	4.28	32	
2-Fluorophenol (S)	%						66.5	66.5	12.0-120			
Phenol-d5 (S)	%						61.8	61.1	10.0-120			
Nitrobenzene-d5 (S)	%						44.1	44.1	10.0-122			
2-Fluorobiphenyl (S)	%						62.1	60.8	15.0-120			
2,4,6-Tribromophenol (S)	%						59.3	58.6	10.0-127			
Terphenyl-d14 (S)	%						69.3	67.6	10.0-120			

MATRIX SPIKE SAMPLE: R3977708-3

Parameter	Units	20289601011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/kg	ND	0.666	0.442	66.4	29.0-120	
Dinoseb	mg/kg	ND	0.666	0.469	70.4	26.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 2138358
QC Batch Method: 3546
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601014, 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

METHOD BLANK: R3977890-2 Matrix: Solid
Associated Lab Samples: 20289601001, 20289601002, 20289601003, 20289601014, 20289601015, 20289601016, 20289601017, 20289601018, 20289601019, 20289601020, 20289601021

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/kg	ND	0.00600	0.00230	09/26/23 04:42	
Acenaphthene	mg/kg	ND	0.00600	0.00209	09/26/23 04:42	
Acenaphthylene	mg/kg	ND	0.00600	0.00216	09/26/23 04:42	
Benzo(a)anthracene	mg/kg	ND	0.00600	0.00173	09/26/23 04:42	
Benzo(a)pyrene	mg/kg	ND	0.00600	0.00179	09/26/23 04:42	
Benzo(b)fluoranthene	mg/kg	ND	0.00600	0.00153	09/26/23 04:42	
Benzo(k)fluoranthene	mg/kg	ND	0.00600	0.00215	09/26/23 04:42	
Chrysene	mg/kg	ND	0.00600	0.00232	09/26/23 04:42	
Dibenz(a,h)anthracene	mg/kg	ND	0.00600	0.00172	09/26/23 04:42	
Fluoranthene	mg/kg	ND	0.00600	0.00227	09/26/23 04:42	
Fluorene	mg/kg	ND	0.00600	0.00205	09/26/23 04:42	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.00600	0.00181	09/26/23 04:42	
Naphthalene	mg/kg	ND	0.0200	0.00408	09/26/23 04:42	
Phenanthrene	mg/kg	ND	0.00600	0.00231	09/26/23 04:42	
Pyrene	mg/kg	ND	0.00600	0.00200	09/26/23 04:42	
2-Methylnaphthalene	mg/kg	ND	0.0200	0.00427	09/26/23 04:42	
2-Chloronaphthalene	mg/kg	ND	0.0200	0.00466	09/26/23 04:42	
Terphenyl-d14 (S)	%	85.6	23.0-120		09/26/23 04:42	
Nitrobenzene-d5 (S)	%	79.1	14.0-149		09/26/23 04:42	
2-Fluorobiphenyl (S)	%	82.1	34.0-125		09/26/23 04:42	

LABORATORY CONTROL SAMPLE: R3977890-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/kg	0.0800	0.0565	70.6	50.0-126	
Acenaphthene	mg/kg	0.0800	0.0548	68.5	50.0-120	
Acenaphthylene	mg/kg	0.0800	0.0615	76.9	50.0-120	
Benzo(a)anthracene	mg/kg	0.0800	0.0617	77.1	45.0-120	
Benzo(a)pyrene	mg/kg	0.0800	0.0587	73.4	42.0-120	
Benzo(b)fluoranthene	mg/kg	0.0800	0.0626	78.3	42.0-121	
Benzo(k)fluoranthene	mg/kg	0.0800	0.0590	73.8	49.0-125	
Chrysene	mg/kg	0.0800	0.0626	78.3	49.0-122	
Dibenz(a,h)anthracene	mg/kg	0.0800	0.0601	75.1	47.0-125	
Fluoranthene	mg/kg	0.0800	0.0618	77.3	49.0-129	
Fluorene	mg/kg	0.0800	0.0630	78.8	49.0-120	
Indeno(1,2,3-cd)pyrene	mg/kg	0.0800	0.0655	81.9	46.0-125	
Naphthalene	mg/kg	0.0800	0.0584	73.0	50.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

LABORATORY CONTROL SAMPLE: R3977890-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	mg/kg	0.0800	0.0591	73.9	47.0-120	
Pyrene	mg/kg	0.0800	0.0620	77.5	43.0-123	
2-Methylnaphthalene	mg/kg	0.0800	0.0593	74.1	50.0-120	
2-Chloronaphthalene	mg/kg	0.0800	0.0598	74.8	50.0-120	
Terphenyl-d14 (S)	%			76.5	23.0-120	
Nitrobenzene-d5 (S)	%			76.3	14.0-149	
2-Fluorobiphenyl (S)	%			77.8	34.0-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3977890-3 R3977890-4

Parameter	Units	20289601002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/kg	ND	0.0788	0.0788	0.0485	0.0537	61.5	68.1	10.0-145	10.2	30	
Acenaphthene	mg/kg	ND	0.0788	0.0788	0.0492	0.0537	62.4	68.1	14.0-127	8.75	27	
Acenaphthylene	mg/kg	ND	0.0788	0.0788	0.0559	0.0595	70.9	75.5	21.0-124	6.24	25	
Benzo(a)anthracene	mg/kg	ND	0.0788	0.0788	0.0515	0.0571	65.4	72.5	10.0-139	10.3	30	
Benzo(a)pyrene	mg/kg	ND	0.0788	0.0788	0.0541	0.0603	68.7	76.5	10.0-141	10.8	31	
Benzo(b)fluoranthene	mg/kg	ND	0.0788	0.0788	0.0500	0.0576	63.5	73.1	10.0-140	14.1	36	
Benzo(k)fluoranthene	mg/kg	ND	0.0788	0.0788	0.0509	0.0572	64.6	72.6	10.0-137	11.7	31	
Chrysene	mg/kg	ND	0.0788	0.0788	0.0571	0.0620	72.5	78.7	10.0-145	8.23	30	
Dibenz(a,h)anthracene	mg/kg	ND	0.0788	0.0788	0.0516	0.0558	65.5	70.8	10.0-132	7.82	31	
Fluoranthene	mg/kg	ND	0.0788	0.0788	0.0524	0.0609	66.5	77.3	10.0-153	15.0	33	
Fluorene	mg/kg	ND	0.0788	0.0788	0.0536	0.0592	68.0	75.1	11.0-130	9.93	29	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0788	0.0788	0.0541	0.0613	68.7	77.8	10.0-137	12.5	32	
Naphthalene	mg/kg	ND	0.0788	0.0788	0.0566	0.0590	71.8	74.9	10.0-135	4.15	27	
Phenanthrene	mg/kg	ND	0.0788	0.0788	0.0510	0.0574	64.7	72.8	10.0-144	11.8	31	
Pyrene	mg/kg	ND	0.0788	0.0788	0.0537	0.0610	68.1	77.4	10.0-148	12.7	35	
2-Methylnaphthalene	mg/kg	ND	0.0788	0.0788	0.0549	0.0586	69.7	74.4	10.0-137	6.52	28	
2-Chloronaphthalene	mg/kg	ND	0.0788	0.0788	0.0541	0.0578	68.7	73.4	29.0-120	6.61	24	
Terphenyl-d14 (S)	%						72.4	80.3	23.0-120			
Nitrobenzene-d5 (S)	%						70.9	79.2	14.0-149			
2-Fluorobiphenyl (S)	%						64.6	80.3	34.0-125			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

QC Batch: 300329
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035 Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601017, 20289601018, 20289601019, 20289601020

METHOD BLANK: 1437992
Matrix: Solid
Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601017, 20289601018, 20289601019, 20289601020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	0.0012	09/22/23 16:41	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	0.0019	09/22/23 16:41	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
1,1-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
1,1-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
1,2-Dibromo-3-chloropropane	mg/kg	ND	0.0050	0.0018	09/22/23 16:41	
1,2-Dichloroethane	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
1,2-Dichloropropane	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
2-Butanone (MEK)	mg/kg	ND	0.010	0.0029	09/22/23 16:41	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.010	0.0019	09/22/23 16:41	
Acetone	mg/kg	ND	0.010	0.0044	09/22/23 16:41	
Benzene	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
Bromodichloromethane	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
Bromoform	mg/kg	ND	0.0050	0.0016	09/22/23 16:41	
Bromomethane	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
Carbon disulfide	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
Carbon tetrachloride	mg/kg	ND	0.0050	0.0011	09/22/23 16:41	
Chlorobenzene	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
Chloroethane	mg/kg	ND	0.0050	0.0012	09/22/23 16:41	
Chloroform	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
Chloromethane	mg/kg	ND	0.0050	0.0012	09/22/23 16:41	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0015	09/22/23 16:41	
Dibromochloromethane	mg/kg	ND	0.0050	0.0016	09/22/23 16:41	
Ethylbenzene	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
Isobutanol	mg/kg	ND	0.25	0.036	09/22/23 16:41	
m&p-Xylene	mg/kg	ND	0.010	0.0032	09/22/23 16:41	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
Methylene Chloride	mg/kg	ND	0.0050	0.0046	09/22/23 16:41	
o-Xylene	mg/kg	ND	0.0050	0.0016	09/22/23 16:41	
Styrene	mg/kg	ND	0.0050	0.0016	09/22/23 16:41	
Tetrachloroethene	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
Toluene	mg/kg	ND	0.0050	0.0021	09/22/23 16:41	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	0.0013	09/22/23 16:41	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	0.0016	09/22/23 16:41	
Trichloroethene	mg/kg	ND	0.0050	0.0014	09/22/23 16:41	
Trichlorofluoromethane	mg/kg	ND	0.0050	0.0012	09/22/23 16:41	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

METHOD BLANK: 1437992 Matrix: Solid

Associated Lab Samples: 20289601006, 20289601007, 20289601008, 20289601009, 20289601010, 20289601011, 20289601012, 20289601013, 20289601017, 20289601018, 20289601019, 20289601020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Vinyl chloride	mg/kg	ND	0.0020	0.0011	09/22/23 16:41	
4-Bromofluorobenzene (S)	%.	101	64-139		09/22/23 16:41	
Dibromofluoromethane (S)	%.	96	66-143		09/22/23 16:41	
Toluene-d8 (S)	%.	100	75-125		09/22/23 16:41	

LABORATORY CONTROL SAMPLE: 1437993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	0.05	0.047	94	72-121	
1,1,1-Trichloroethane	mg/kg	0.05	0.043	85	76-126	
1,1,2,2-Tetrachloroethane	mg/kg	0.05	0.047	94	65-129	
1,1,2-Trichloroethane	mg/kg	0.05	0.047	94	75-121	
1,1-Dichloroethane	mg/kg	0.05	0.042	85	71-127	
1,1-Dichloroethene	mg/kg	0.05	0.044	89	63-130	
1,2,4-Trichlorobenzene	mg/kg	0.05	0.042	84	67-123	
1,2-Dibromo-3-chloropropane	mg/kg	0.05	0.045	90	59-131	
1,2-Dichloroethane	mg/kg	0.05	0.041	82	65-131	
1,2-Dichloropropane	mg/kg	0.05	0.045	91	72-125	
2-Butanone (MEK)	mg/kg	0.05	0.025	49	34-170	
4-Methyl-2-pentanone (MIBK)	mg/kg	0.05	0.038	77	58-141	
Acetone	mg/kg	0.05	0.019	38	16-192	
Benzene	mg/kg	0.05	0.045	91	74-132	
Bromodichloromethane	mg/kg	0.05	0.045	89	73-117	
Bromoform	mg/kg	0.05	0.048	96	58-132	
Bromomethane	mg/kg	0.05	0.042	85	47-157	
Carbon disulfide	mg/kg	0.05	0.043	85	52-145	
Carbon tetrachloride	mg/kg	0.05	0.042	84	68-129	
Chlorobenzene	mg/kg	0.05	0.048	95	79-121	
Chloroethane	mg/kg	0.05	0.044	87	34-160	
Chloroform	mg/kg	0.05	0.043	86	70-120	
Chloromethane	mg/kg	0.05	0.043	87	44-142	
cis-1,2-Dichloroethene	mg/kg	0.05	0.046	92	71-124	
cis-1,3-Dichloropropene	mg/kg	0.05	0.047	93	77-121	
Dibromochloromethane	mg/kg	0.05	0.046	91	67-122	
Ethylbenzene	mg/kg	0.05	0.046	93	79-116	
m&p-Xylene	mg/kg	0.1	0.093	93	78-119	
Methyl-tert-butyl ether	mg/kg	0.05	0.048	96	58-135	
Methylene Chloride	mg/kg	0.05	0.045	89	49-145	
o-Xylene	mg/kg	0.05	0.047	94	77-121	
Styrene	mg/kg	0.05	0.047	95	81-123	
Tetrachloroethene	mg/kg	0.05	0.046	92	62-138	
Toluene	mg/kg	0.05	0.045	91	79-120	
trans-1,2-Dichloroethene	mg/kg	0.05	0.045	89	68-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

LABORATORY CONTROL SAMPLE: 1437993

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	mg/kg	0.05	0.045	90	77-121	
Trichloroethene	mg/kg	0.05	0.046	91	77-117	
Trichlorofluoromethane	mg/kg	0.05	0.041	82	45-164	
Vinyl chloride	mg/kg	0.05	0.046	92	48-130	
4-Bromofluorobenzene (S)	%.			102	64-139	
Dibromofluoromethane (S)	%.			95	66-143	
Toluene-d8 (S)	%.			99	75-125	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20289601

[1]

SAMPLE QUALIFIERS

Sample: L1657157-01

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

BATCH QUALIFIERS

Batch: 299816

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 300338

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
SR	Surrogate recovery was below laboratory control limits. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289601004	**FB-3**	MA DEP/NJ DEP	2137100	EPH	2137100
20289601005	**EB-2**	MA DEP/NJ DEP	2137100	EPH	2137100
20289601001	**B-14 (0-2)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601002	**B-14 (5-7)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601003	**B-14 (14-16)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601006	**B-15 (0-2)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601007	**B-15 (2-4)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601008	**B-15 (6-8)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601009	**B-15 (14-16)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601010	**B-16 (0-2)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601011	**B-16 (2-4)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601012	**B-16 (9-11)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601013	**B-16 (14-16)**	MA DEP/NJ DEP	2137358	EPH	2137358
20289601014	**B-17 (0-2)**	MA DEP/NJ DEP	2141715	EPH	2141715
20289601015	**B-17 (6-8)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289601016	**B-17 (14-16)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289601017	**B-20 (0-2)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289601018	**B-20 (2-4)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289601019	**B-20 (5-7)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289601020	**B-20 (14-16)**	MA DEP/NJ DEP	2137503	EPH	2137503
20289601021	**Dup-2**	MA DEP/NJ DEP	2137503	EPH	2137503
20289601006	**B-15 (0-2)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601007	**B-15 (2-4)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601008	**B-15 (6-8)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601009	**B-15 (14-16)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601010	**B-16 (0-2)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601011	**B-16 (2-4)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601012	**B-16 (9-11)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601013	**B-16 (14-16)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601017	**B-20 (0-2)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601018	**B-20 (2-4)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601019	**B-20 (5-7)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601020	**B-20 (14-16)**	EPA 5035	299800	MADEP VPH Mod	299816
20289601001	**B-14 (0-2)**	EPA 3050	299568	EPA 6010	299715
20289601002	**B-14 (5-7)**	EPA 3050	299568	EPA 6010	299715
20289601003	**B-14 (14-16)**	EPA 3050	299568	EPA 6010	299715
20289601006	**B-15 (0-2)**	EPA 3050	299568	EPA 6010	299715
20289601007	**B-15 (2-4)**	EPA 3050	299568	EPA 6010	299715
20289601008	**B-15 (6-8)**	EPA 3050	299568	EPA 6010	299715
20289601009	**B-15 (14-16)**	EPA 3050	299568	EPA 6010	299715
20289601010	**B-16 (0-2)**	EPA 3050	299568	EPA 6010	299715
20289601011	**B-16 (2-4)**	EPA 3050	299568	EPA 6010	299715
20289601012	**B-16 (9-11)**	EPA 3050	299568	EPA 6010	299715
20289601013	**B-16 (14-16)**	EPA 3050	299568	EPA 6010	299715
20289601014	**B-17 (0-2)**	EPA 3050	299568	EPA 6010	299715
20289601015	**B-17 (6-8)**	EPA 3050	299568	EPA 6010	299715

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289601016	**B-17 (14-16)**	EPA 3050	299568	EPA 6010	299715
20289601017	**B-20 (0-2)**	EPA 3050	299568	EPA 6010	299715
20289601018	**B-20 (2-4)**	EPA 3050	299568	EPA 6010	299715
20289601019	**B-20 (5-7)**	EPA 3050	299568	EPA 6010	299715
20289601020	**B-20 (14-16)**	EPA 3050	299568	EPA 6010	299715
20289601021	**Dup-2**	EPA 3050	299568	EPA 6010	299715
20289601004	**FB-3**	EPA 3010	299567	EPA 6020A	299711
20289601005	**EB-2**	EPA 3010	299567	EPA 6020A	299711
20289601004	**FB-3**	EPA 7470	299569	EPA 7470	299709
20289601005	**EB-2**	EPA 7470	299569	EPA 7470	299709
20289601001	**B-14 (0-2)**	EPA 7471	299573	EPA 7471	299718
20289601002	**B-14 (5-7)**	EPA 7471	299573	EPA 7471	299718
20289601003	**B-14 (14-16)**	EPA 7471	299573	EPA 7471	299718
20289601006	**B-15 (0-2)**	EPA 7471	299573	EPA 7471	299718
20289601007	**B-15 (2-4)**	EPA 7471	299573	EPA 7471	299718
20289601008	**B-15 (6-8)**	EPA 7471	299573	EPA 7471	299718
20289601009	**B-15 (14-16)**	EPA 7471	299573	EPA 7471	299718
20289601010	**B-16 (0-2)**	EPA 7471	299573	EPA 7471	299718
20289601011	**B-16 (2-4)**	EPA 7471	299573	EPA 7471	299718
20289601012	**B-16 (9-11)**	EPA 7471	299573	EPA 7471	299718
20289601013	**B-16 (14-16)**	EPA 7471	299573	EPA 7471	299718
20289601014	**B-17 (0-2)**	EPA 7471	299573	EPA 7471	299718
20289601015	**B-17 (6-8)**	EPA 7471	299573	EPA 7471	299718
20289601016	**B-17 (14-16)**	EPA 7471	299573	EPA 7471	299718
20289601017	**B-20 (0-2)**	EPA 7471	299573	EPA 7471	299718
20289601018	**B-20 (2-4)**	EPA 7471	299573	EPA 7471	299718
20289601019	**B-20 (5-7)**	EPA 7471	299573	EPA 7471	299718
20289601020	**B-20 (14-16)**	EPA 7471	299573	EPA 7471	299718
20289601021	**Dup-2**	EPA 7471	299573	EPA 7471	299718
20289601004	**FB-3**	3510C	2135279	EPA 8270E by SIM	2135279
20289601005	**EB-2**	3510C	2135279	EPA 8270E by SIM	2135279
20289601006	**B-15 (0-2)**	3546	2137999	EPA 8270E	2137999
20289601007	**B-15 (2-4)**	3546	2137999	EPA 8270E	2137999
20289601008	**B-15 (6-8)**	3546	2137999	EPA 8270E	2137999
20289601009	**B-15 (14-16)**	3546	2137999	EPA 8270E	2137999
20289601010	**B-16 (0-2)**	3546	2137999	EPA 8270E	2137999
20289601011	**B-16 (2-4)**	3546	2137999	EPA 8270E	2137999
20289601012	**B-16 (9-11)**	3546	2137999	EPA 8270E	2137999
20289601013	**B-16 (14-16)**	3546	2137999	EPA 8270E	2137999
20289601001	**B-14 (0-2)**	3546	2138358	EPA 8270E by SIM	2138358
20289601002	**B-14 (5-7)**	3546	2138358	EPA 8270E by SIM	2138358
20289601003	**B-14 (14-16)**	3546	2138358	EPA 8270E by SIM	2138358
20289601014	**B-17 (0-2)**	3546	2138358	EPA 8270E by SIM	2138358
20289601015	**B-17 (6-8)**	3546	2138358	EPA 8270E by SIM	2138358
20289601016	**B-17 (14-16)**	3546	2138358	EPA 8270E by SIM	2138358
20289601017	**B-20 (0-2)**	3546	2138358	EPA 8270E by SIM	2138358

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Soils
Pace Project No.: 20289601

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289601018	**B-20 (2-4)**	3546	2138358	EPA 8270E by SIM	2138358
20289601019	**B-20 (5-7)**	3546	2138358	EPA 8270E by SIM	2138358
20289601020	**B-20 (14-16)**	3546	2138358	EPA 8270E by SIM	2138358
20289601021	**Dup-2**	3546	2138358	EPA 8270E by SIM	2138358
20289601006	**B-15 (0-2)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601007	**B-15 (2-4)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601008	**B-15 (6-8)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601009	**B-15 (14-16)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601010	**B-16 (0-2)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601011	**B-16 (2-4)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601012	**B-16 (9-11)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601013	**B-16 (14-16)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601017	**B-20 (0-2)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601018	**B-20 (2-4)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601019	**B-20 (5-7)**	EPA 5035/5030B	300329	EPA 8260	300338
20289601020	**B-20 (14-16)**	EPA 5035/5030B	300329	EPA 8260	300338

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix Workorder/Login Label Here

WO# : 20289601

20289601

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	
Project Name:	JM3-JM5 Parcels Soils	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Louisiana

Data Deliverables: [ ] Level II [ ] Level III [ ] Level IV [ ] EQUIS [ ] Other______

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): [ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other 7day

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only: Proj. Mgr: Clay Ledet; AcctNum / Client ID: ; Table #: ; Profile / Template: 8793/1,2,8; Prelog / Bottle Ord. ID: 1141077

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected Time	Composite End Date	Composite End Time	Res. CL2	# Plastic	# Glass	EPH / PAH	EPH / RECAP SVOC	RCRA 8 Metals	RECAP Metals	RECAP VOC	RECAP VOC / VPH	Sample Comment	Preservation non-conformance identified for sample.
B-14 (0-2)	S	G	9-14-23	10:45					2	X		X					
B-14 (5-7)	|	|	|	10:33					2	X		X					
B-14 (14-16)	|	|	|	10:30					2	X		X					
Dup-2	|	|	|	10:34					2	X		X					
~~MS~~ B-14 MS (5-7)	|	|	|	10:33					2	X		X					
B-14 MSD (5-7)	|	|	|	10:33					2	X		X					
FB-3	W	G	|	8:50				1	4	X		X					
EB-2	|	|	|	11:01				1	4	X		X					
B-15 (0-2)	S	G	|	11:19				4	2		X		X		X		
B-15 (0-2)	S	G	|	11:38				4	2		X		X		X		

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name:
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
2	12	0	1.7, 2.3	—

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Sarah Nadel	12:00 9/15/23	Alice Green Pace	9-15-23 12:00
Alice Green Pace	9-15-23 1220	[signature] Pace	9/15/23 12:20

Tracking Number:

Delivered by: [ ] In-Person [X] Courier [ ] FedEX [ ] UPS [ ] Other

Page: 1 of 1

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace® Terms and Conditions found at https://www.pacelabs.com/resource-library/resource/pace-terms-and-conditions/

ENV-FRM-CORQ-0019_v01_082123 ©

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: Terracon	Billing Information:
Address: 524 Elmwood Park Blvd STE 170 New Orleans LA 70123	
Report To: Dina Day	Email To: Dina.Day@Terracon.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: JM3-JM5 Parcels Soils	State: / County/City: Time Zone Collected: [ ]PT [ ]MT [ ]CT [ ]ET
Phone: 985 259 2651 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Greg Pellerin	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature): Greg Pellerin	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: 2 Day [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply) Field Filtered (if applicable): [ ] Yes [X] No Analysis: Total metals

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Lab Project Manager:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	EPH/PAH	EPH/Recap Svoc	RCRA 8 metals	Recap metals	Recap VOC	Recap VOC (Vapor)					
B-15 (6-8)	S	G	9-14-23	11:22				6		X		X		X					
B-15 (14-16)	"	"	"	11:17				6		X		X		X					
B-16 (0-2)				12:48				6		X		X		X					
B-16 (2-4)				13:03				6		X		X		X					
B-16 (9-11)				12:50				6		X		X		X					
B-16 (14-16)				12:44				6		X		X		X					
B-17 (0-2)				14:06				2	X		X								
B-17 (6-8)				13:53				2	X		X								
B-17 (14-16)				13:48				2	X		X								
~~B-15~~																			

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2804519

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 17
Cooler 1 Temp Upon Receipt: 1.7,1.3 oC
Cooler 1 Therm Corr. Factor: _____ oC
Cooler 1 Corrected Temp: _____ oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Greg Pellerin	9-15-23 8:00 AM	Alvi Haba Pace	9-15-23 12:00
Alvi Haba Pace	9-15-23 12:20	[signature]	9/15/23 K=20
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical®

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevent fields

LAB USE ONLY- Affix Workorder/Login Label Here or List Pace Workorder Number or MTJL Log-in Number Here

ALL SHADED AREAS are for LAB USE ONLY

Company: Terracon	Billing Information:
Address: 520 Elmwood Blvd STE 170 New Orleans LA 70123	
Report To: Diana Day	Email To: Diana.Day@terracon.com
Copy To:	Site Collection Info/Address:
Customer Project Name/Number: JM3-JM5 Parcels Soils	State: / County/City: Time Zone Collected: [ ] PT [ ] MT [ ] CT [ ] ET
Phone: 225-239-2651 Email:	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Greg Pellerin	Purchase Order #: Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [ ] Dispose as appropriate [ ] Return [ ] Archive: [ ] Hold:	Rush: [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day (Expedite Charges Apply)	Field Filtered (if applicable): [ ] Yes [ ] No Analysis:

Container Preservative Type **

Lab Project Manager:

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Analyses: EPH/Recap SVOC	Recap Metals	Recap VOC/UPH
B-20 (0-2)	S	Gr	9/14/23	15:03				6	X	X	X
B-20 (2-4)				15:25				6	X	X	X
B-20 (5-7)				15:15				6	X	X	X
B-20 (14-16)				14:56				6	X	X	X

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #: 2804520

Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: IR
Cooler 1 Temp Upon Receipt: 1.7,2.3 oC
Cooler 1 Therm Corr. Factor: 0 oC
Cooler 1 Corrected Temp: 1.7,2.3 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
	9/15/23 8:00AM	Pace	9.15.23 12:00
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Pace	9-15-23 12:20		9/15/23 12:20
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: _____ of: _____

Pace

Sample Condition Upon Receip[illegible]

WO#: 20289601

PM: CAL Due Date: 09/26/23

Workor CLIENT: 20-TERRACONN

1000 Riverbend Blvd, Suite F, St. Rose. LA 70087

Cooler Inspected by/date: AI / 9/18/23

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No	☐ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	If custody seals were present, were they intact and unbroken?

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 12 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C:	1.7	(Actual/True)
Cooler #2	Cooler Temp °C:	2.3	(Actual/True)
Cooler #3	Cooler Temp °C:		(Actual/True)
Cooler #4	Cooler Temp °C:		(Actual/True)

Samples on ice: ☑ Yes ☐ No

pH Strip Lot #: 209211

Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None

Tracking #:

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☑ Yes	☐ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☐ Yes	☑ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	See below
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☐ Yes	☐ No	☑ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☐ No	☑ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☑ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO3_____ H2SO4_____ NaOH_____ Date:_____ Time:_____

Comments: Sample 007 was written as B-15(0-2), but the containers were labeled B-15(2-4). The latter ID was used for login. due to there already being a B-15(0-2).

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 19, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE SUMMARY

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20289938001	**TW-1**	Water	09/18/23 09:15	09/19/23 14:05
20289938002	**TW-2**	Water	09/18/23 10:07	09/19/23 14:05
20289938003	**TW-3**	Water	09/18/23 10:59	09/19/23 14:05
20289938004	**TW-4**	Water	09/18/23 12:07	09/19/23 14:05
20289938005	**FB-4**	Water	09/18/23 12:17	09/19/23 14:05
20289938006	**TW-5**	Water	09/18/23 12:48	09/19/23 14:05
20289938007	**TW-6**	Water	09/18/23 13:46	09/19/23 14:05
20289938008	**TW-7**	Water	09/18/23 14:34	09/19/23 14:05
20289938009	**TW-8**	Water	09/18/23 15:31	09/19/23 14:05

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20289938001	**TW-1**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	JNJ, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20289938002	**TW-2**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	JNJ, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20289938003	**TW-3**	EPH	DMG	11	PAN
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289938004	**TW-4**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JNJ	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20289938005	**FB-4**	EPH	DMG	11	PAN
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
20289938006	**TW-5**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	JNJ, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20289938007	**TW-6**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 5030B/8260	SLK	43	PASI-N
20289938008	**TW-7**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	JCH	20	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20289938009	**TW-8**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	JNJ, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Date: December 05, 2023

TW-1 (Lab ID: 20289938001)

- TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

TW-2 (Lab ID: 20289938002)

- TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

TW-3 (Lab ID: 20289938003)

- TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

TW-4 (Lab ID: 20289938004)

- TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

TW-5 (Lab ID: 20289938006)

- TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

TW-6 (Lab ID: 20289938007)

- TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

TW-7 (Lab ID: 20289938008)

- TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

TW-8 (Lab ID: 20289938009)

- TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
9 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- TW-1 (Lab ID: 20289938001)
- TW-4 (Lab ID: 20289938004)
- TW-8 (Lab ID: 20289938009)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2141530

B: Analyte was detected in the associated method blank.
- R3980300-1 (Lab ID: R3980300-1)
  - Aliphatic (>C16-C35)

QC Batch: 2143105

B: Analyte was detected in the associated method blank.
- R3980776-1 (Lab ID: R3980776-1)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
7 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
9 samples were analyzed for EPA 6020A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 300443

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- TW-1 (Lab ID: 20289938001)
  - Beryllium
- TW-2 (Lab ID: 20289938002)
  - Beryllium
- TW-3 (Lab ID: 20289938003)
  - Beryllium
- TW-4 (Lab ID: 20289938004)
  - Beryllium
- TW-5 (Lab ID: 20289938006)
  - Beryllium

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

Analyte Comments:

QC Batch: 300443

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- TW-6 (Lab ID: 20289938007)
  - Beryllium
- TW-7 (Lab ID: 20289938008)
  - Beryllium
- TW-8 (Lab ID: 20289938009)
  - Beryllium

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
9 samples were analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
5 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: 2137311

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: R3979156-1)
  - N-Nitrosodiphenylamine

R1: RPD value was outside control limits.

- LCSD (Lab ID: R3979156-2)
  - 1,2,4,5-Tetrachlorobenzene
  - 2,4,5-Trichlorophenol
  - 2-Chloronaphthalene
  - 3,3'-Dichlorobenzidine
  - Acenaphthene
  - Acenaphthylene
  - Aniline
  - Dibenzofuran
  - Fluorene
  - Hexachloro-1,3-butadiene
  - N-Nitrosodiphenylamine
  - Phenanthrene

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
4 samples were analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Method: **EPA 5030B/8260**
Description: 8260 MSV Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
7 samples were analyzed for EPA 5030B/8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-1 **Lab ID: 20289938001** Collected: 09/18/23 09:15 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 22:43		P4
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 22:43		P4
Aliphatic (>C16-C35)	**0.141J**	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 22:43	TPHC16C35	B,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/27/23 09:53	09/29/23 23:05		P4
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 23:05		P4
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 23:05		P4
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 23:05		P4
Surrogates										
o-Terphenyl (S)	79.7	%	40.0-140			1	09/27/23 09:53	09/29/23 23:05	84-15-1	
1-Chloro-octadecane (S)	36.8	%	40.0-140			1	09/27/23 09:53	09/29/23 22:43		SR
2-Fluorobiphenyl (S)	99.2	%	40.0-140			1	09/27/23 09:53	09/29/23 23:05	321-60-8	
2-Bromonaphthalene (S)	100	%	40.0-140			1	09/27/23 09:53	09/29/23 23:05	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	48.8	3200000	1		09/25/23 21:23		
Aliphatic (>C08-C10)	ND	ug/L	70.0	41.1	150000	1		09/25/23 21:23		
Aromatic (>C08-C10)	ND	ug/L	70.0	35.2	150000	1		09/25/23 21:23		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1		09/25/23 21:23	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:14	7440-36-0	
Arsenic	**0.042**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:14	7440-38-2	
Barium	**0.67**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:14	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:14	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:14	7440-43-9	
Chromium	**0.0018J**	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:14	7440-47-3	
Cobalt	**0.0010J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:14	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:14	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:14	7439-92-1	
Nickel	**0.0027**	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:14	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:14	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:14	7440-28-0	
Vanadium	**0.0024J**	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:14	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:14	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:13	7439-97-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-1 **Lab ID: 20289938001** Collected: 09/18/23 09:15 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	ND	mg/L	0.00100	0.0000886		1	09/23/23 13:40	09/25/23 16:08	83-32-9	G7,R1
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/23/23 13:40	09/25/23 16:08	208-96-8	G7,R1
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/23/23 13:40	09/25/23 16:08	120-12-7	G7
Aniline	ND	mg/L	0.0100	0.00165		1	09/23/23 13:40	09/25/23 16:08	62-53-3	G7,R1
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/23/23 13:40	09/25/23 16:08	56-55-3	G7
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 16:08	205-99-2	G7
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/23/23 13:40	09/25/23 16:08	207-08-9	G7
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/23/23 13:40	09/25/23 16:08	50-32-8	G7
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/23/23 13:40	09/25/23 16:08	111-44-4	G7
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/23/23 13:40	09/25/23 16:08	92-52-4	G7
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/23/23 13:40	09/25/23 16:08	108-60-1	G7
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/23/23 13:40	09/25/23 16:08	91-58-7	G7,R1
Chrysene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 16:08	218-01-9	G7
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/23/23 13:40	09/25/23 16:08	106-47-8	G7
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/23/23 13:40	09/25/23 16:08	53-70-3	G7
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/23/23 13:40	09/25/23 16:08	132-64-9	G7,R1
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/23/23 13:40	09/25/23 16:08	95-50-1	G7
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/23/23 13:40	09/25/23 16:08	541-73-1	G7
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/23/23 13:40	09/25/23 16:08	106-46-7	G7
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/23/23 13:40	09/25/23 16:08	91-94-1	G7,R1
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/23/23 13:40	09/25/23 16:08	121-14-2	G7
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/23/23 13:40	09/25/23 16:08	606-20-2	G7
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/23/23 13:40	09/25/23 16:08	206-44-0	G7
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/23/23 13:40	09/25/23 16:08	86-73-7	G7,R1
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/23/23 13:40	09/25/23 16:08	118-74-1	G7
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/23/23 13:40	09/25/23 16:08	87-68-3	G7,R1
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/23/23 13:40	09/25/23 16:08	77-47-4	G7
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/23/23 13:40	09/25/23 16:08	67-72-1	G7
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/23/23 13:40	09/25/23 16:08	193-39-5	G7
Isophorone	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 16:08	78-59-1	G7
Naphthalene	**0.000355J**	mg/L	0.00100	0.000159		1	09/23/23 13:40	09/25/23 16:08	91-20-3	G7,J
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/23/23 13:40	09/25/23 16:08	98-95-3	G7
2-Methylnaphthalene	ND	mg/L	0.00100	0.000117		1	09/23/23 13:40	09/25/23 16:08	91-57-6	G7
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 16:08	88-74-4	G7

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-1 **Lab ID: 20289938001** Collected: 09/18/23 09:15 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/23/23 13:40	09/25/23 16:08	99-09-2	G7
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/23/23 13:40	09/25/23 16:08	100-01-6	G7
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/23/23 13:40	09/25/23 16:08	86-30-6	G7,L0,R1
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/23/23 13:40	09/25/23 16:08	621-64-7	G7
Phenanthrene	ND	mg/L	0.00100	0.000112		1	09/23/23 13:40	09/25/23 16:08	85-01-8	G7,R1
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/23/23 13:40	09/25/23 16:08	85-68-7	G7
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/23/23 13:40	09/25/23 16:08	117-81-7	G7
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/23/23 13:40	09/25/23 16:08	84-66-2	G7
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/23/23 13:40	09/25/23 16:08	131-11-3	G7
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/23/23 13:40	09/25/23 16:08	117-84-0	G7
Pyrene	ND	mg/L	0.00100	0.000107		1	09/23/23 13:40	09/25/23 16:08	129-00-0	G7
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/23/23 13:40	09/25/23 16:08	95-57-8	G7
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 16:08	120-83-2	G7
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/23/23 13:40	09/25/23 16:08	105-67-9	G7
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/23/23 13:40	09/25/23 16:08	51-28-5	G7
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 16:08	100-02-7	G7
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/23/23 13:40	09/25/23 16:08	87-86-5	G7
Phenol	ND	mg/L	0.0100	0.00433		1	09/23/23 13:40	09/25/23 16:08	108-95-2	G7
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/23/23 13:40	09/25/23 16:08	95-95-4	G7,R1
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/23/23 13:40	09/25/23 16:08	88-06-2	G7
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/23/23 13:40	09/25/23 16:08	58-90-2	G7
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/23/23 13:40	09/25/23 16:08	95-94-3	G7,R1
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/23/23 13:40	10/04/23 20:09	99-65-0	G7
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/23/23 13:40	10/04/23 20:09	88-85-7	G7
Surrogates										
2-Fluorophenol (S)	25.3	%	10.0-120			1	09/23/23 13:40	09/25/23 16:08	367-12-4	
Phenol-d5 (S)	18.0	%	10.0-120			1	09/23/23 13:40	09/25/23 16:08	4165-62-2	
Nitrobenzene-d5 (S)	46.7	%	10.0-127			1	09/23/23 13:40	09/25/23 16:08	4165-60-0	
2-Fluorobiphenyl (S)	48.8	%	10.0-130			1	09/23/23 13:40	09/25/23 16:08	321-60-8	
2,4,6-Tribromophenol (S)	57.1	%	10.0-155			1	09/23/23 13:40	09/25/23 16:08	118-79-6	
Terphenyl-d14 (S)	61.6	%	10.0-128			1	09/23/23 13:40	09/25/23 16:08	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 19:29	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 19:29	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 19:29	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-1 **Lab ID: 20289938001** Collected: 09/18/23 09:15 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 19:29	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 19:29	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 19:29	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 19:29	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 19:29	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 19:29	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 19:29	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 19:29	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 19:29	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 19:29	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 19:29	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 19:29	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 19:29	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 19:29	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 19:29	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 19:29	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 19:29	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 19:29	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 19:29	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 19:29	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 19:29	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 19:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 19:29	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 19:29	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 19:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 19:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 19:29	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 19:29	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 19:29	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 19:29	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 19:29	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 19:29	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 19:29	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 19:29	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 19:29	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 19:29	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 19:29	95-47-6	
Surrogates										
Dibromofluoromethane (S)	101	%.	72-126			1		09/26/23 19:29	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	68-124			1		09/26/23 19:29	460-00-4	
Toluene-d8 (S)	101	%.	79-119			1		09/26/23 19:29	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-2 **Lab ID: 20289938002** Collected: 09/18/23 10:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 20:29		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 20:29		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 20:29	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	09/27/23 09:53	09/29/23 22:20		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 22:20		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 22:20		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	09/27/23 09:53	09/29/23 22:20		
Surrogates										
o-Terphenyl (S)	78.3	%	40.0-140			1	09/27/23 09:53	09/29/23 22:20	84-15-1	
1-Chloro-octadecane (S)	32.2	%	40.0-140			1	09/27/23 09:53	09/29/23 20:29		SR
2-Fluorobiphenyl (S)	98.8	%	40.0-140			1	09/27/23 09:53	09/29/23 22:20	321-60-8	
2-Bromonaphthalene (S)	96.3	%	40.0-140			1	09/27/23 09:53	09/29/23 22:20	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	48.8	3200000	1		09/25/23 21:46		
Aliphatic (>C08-C10)	ND	ug/L	70.0	41.1	150000	1		09/25/23 21:46		
Aromatic (>C08-C10)	ND	ug/L	70.0	35.2	150000	1		09/25/23 21:46		
Surrogates										
4-Bromofluorobenzene (S)	98	%.	63-133			1		09/25/23 21:46	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:17	7440-36-0	
Arsenic	**0.082**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:17	7440-38-2	
Barium	**0.37**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:17	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:17	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:17	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:17	7440-47-3	
Cobalt	ND	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:17	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:17	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:17	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:17	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:17	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:17	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:17	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:17	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:17	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:16	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-2 **Lab ID: 20289938002** Collected: 09/18/23 10:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	ND	mg/L	0.00100	0.0000886		1	09/23/23 13:40	09/25/23 16:31	83-32-9	G7,R1
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/23/23 13:40	09/25/23 16:31	208-96-8	G7,R1
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/23/23 13:40	09/25/23 16:31	120-12-7	G7
Aniline	ND	mg/L	0.0100	0.00165		1	09/23/23 13:40	09/25/23 16:31	62-53-3	G7,R1
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/23/23 13:40	09/25/23 16:31	56-55-3	G7
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 16:31	205-99-2	G7
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/23/23 13:40	09/25/23 16:31	207-08-9	G7
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/23/23 13:40	09/25/23 16:31	50-32-8	G7
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/23/23 13:40	09/25/23 16:31	111-44-4	G7
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/23/23 13:40	09/25/23 16:31	92-52-4	G7
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/23/23 13:40	09/25/23 16:31	108-60-1	G7
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/23/23 13:40	09/25/23 16:31	91-58-7	G7,R1
Chrysene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 16:31	218-01-9	G7
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/23/23 13:40	09/25/23 16:31	106-47-8	G7
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/23/23 13:40	09/25/23 16:31	53-70-3	G7
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/23/23 13:40	09/25/23 16:31	132-64-9	G7,R1
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/23/23 13:40	09/25/23 16:31	95-50-1	G7
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/23/23 13:40	09/25/23 16:31	541-73-1	G7
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/23/23 13:40	09/25/23 16:31	106-46-7	G7
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/23/23 13:40	09/25/23 16:31	91-94-1	G7,R1
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/23/23 13:40	09/25/23 16:31	121-14-2	G7
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/23/23 13:40	09/25/23 16:31	606-20-2	G7
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/23/23 13:40	09/25/23 16:31	206-44-0	G7
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/23/23 13:40	09/25/23 16:31	86-73-7	G7,R1
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/23/23 13:40	09/25/23 16:31	118-74-1	G7
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/23/23 13:40	09/25/23 16:31	87-68-3	G7,R1
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/23/23 13:40	09/25/23 16:31	77-47-4	G7
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/23/23 13:40	09/25/23 16:31	67-72-1	G7
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/23/23 13:40	09/25/23 16:31	193-39-5	G7
Isophorone	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 16:31	78-59-1	G7
Naphthalene	**0.000371J**	mg/L	0.00100	0.000159		1	09/23/23 13:40	09/25/23 16:31	91-20-3	G7,J
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/23/23 13:40	09/25/23 16:31	98-95-3	G7
2-Methylnaphthalene	**0.000177J**	mg/L	0.00100	0.000117		1	09/23/23 13:40	09/25/23 16:31	91-57-6	G7,J
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 16:31	88-74-4	G7

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-2 **Lab ID: 20289938002** Collected: 09/18/23 10:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/23/23 13:40	09/25/23 16:31	99-09-2	G7
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/23/23 13:40	09/25/23 16:31	100-01-6	G7
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/23/23 13:40	09/25/23 16:31	86-30-6	G7,L0,R1
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/23/23 13:40	09/25/23 16:31	621-64-7	G7
Phenanthrene	ND	mg/L	0.00100	0.000112		1	09/23/23 13:40	09/25/23 16:31	85-01-8	G7,R1
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/23/23 13:40	09/25/23 16:31	85-68-7	G7
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/23/23 13:40	09/25/23 16:31	117-81-7	G7
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/23/23 13:40	09/25/23 16:31	84-66-2	G7
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/23/23 13:40	09/25/23 16:31	131-11-3	G7
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/23/23 13:40	09/25/23 16:31	117-84-0	G7
Pyrene	ND	mg/L	0.00100	0.000107		1	09/23/23 13:40	09/25/23 16:31	129-00-0	G7
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/23/23 13:40	09/25/23 16:31	95-57-8	G7
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 16:31	120-83-2	G7
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/23/23 13:40	09/25/23 16:31	105-67-9	G7
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/23/23 13:40	09/25/23 16:31	51-28-5	G7
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 16:31	100-02-7	G7
Pentachlorophenol	**0.00389J**	mg/L	0.0100	0.000313		1	09/23/23 13:40	09/25/23 16:31	87-86-5	G7,J
Phenol	ND	mg/L	0.0100	0.00433		1	09/23/23 13:40	09/25/23 16:31	108-95-2	G7
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/23/23 13:40	09/25/23 16:31	95-95-4	G7,R1
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/23/23 13:40	09/25/23 16:31	88-06-2	G7
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/23/23 13:40	09/25/23 16:31	58-90-2	G7
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/23/23 13:40	09/25/23 16:31	95-94-3	G7,R1
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/23/23 13:40	10/04/23 20:31	99-65-0	G7
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/23/23 13:40	10/04/23 20:31	88-85-7	G7
Surrogates										
2-Fluorophenol (S)	25.6	%	10.0-120			1	09/23/23 13:40	09/25/23 16:31	367-12-4	
Phenol-d5 (S)	15.7	%	10.0-120			1	09/23/23 13:40	09/25/23 16:31	4165-62-2	
Nitrobenzene-d5 (S)	40.8	%	10.0-127			1	09/23/23 13:40	09/25/23 16:31	4165-60-0	
2-Fluorobiphenyl (S)	47.3	%	10.0-130			1	09/23/23 13:40	09/25/23 16:31	321-60-8	
2,4,6-Tribromophenol (S)	54.7	%	10.0-155			1	09/23/23 13:40	09/25/23 16:31	118-79-6	
Terphenyl-d14 (S)	55.5	%	10.0-128			1	09/23/23 13:40	09/25/23 16:31	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 19:48	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 19:48	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 19:48	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-2 **Lab ID: 20289938002** Collected: 09/18/23 10:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 19:48	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 19:48	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 19:48	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 19:48	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 19:48	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 19:48	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 19:48	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 19:48	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 19:48	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 19:48	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 19:48	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 19:48	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 19:48	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 19:48	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 19:48	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 19:48	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 19:48	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 19:48	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 19:48	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 19:48	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 19:48	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 19:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 19:48	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 19:48	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 19:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 19:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 19:48	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 19:48	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 19:48	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 19:48	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 19:48	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 19:48	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 19:48	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 19:48	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 19:48	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 19:48	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 19:48	95-47-6	
Surrogates										
Dibromofluoromethane (S)	103	%.	72-126			1		09/26/23 19:48	1868-53-7	
4-Bromofluorobenzene (S)	100	%.	68-124			1		09/26/23 19:48	460-00-4	
Toluene-d8 (S)	101	%.	79-119			1		09/26/23 19:48	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-3 **Lab ID: 20289938003** Collected: 09/18/23 10:59 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 16:04		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 16:04		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 16:04	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/02/23 02:33	10/02/23 23:43		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 23:43		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 23:43		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 23:43		
Surrogates										
o-Terphenyl (S)	59.2	%	40.0-140			1	10/02/23 02:33	10/02/23 23:43	84-15-1	
1-Chloro-octadecane (S)	27.5	%	40.0-140			1	10/02/23 02:33	10/02/23 16:04		SR
2-Fluorobiphenyl (S)	72.0	%	40.0-140			1	10/02/23 02:33	10/02/23 23:43	321-60-8	
2-Bromonaphthalene (S)	72.9	%	40.0-140			1	10/02/23 02:33	10/02/23 23:43	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:20	7440-36-0	
Arsenic	**0.086**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:20	7440-38-2	
Barium	**0.38**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:20	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:20	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:20	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:20	7440-47-3	
Cobalt	ND	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:20	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:20	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:20	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:20	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:20	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:20	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:20	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:18	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/27/23 06:23	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/27/23 06:23	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:23	208-96-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-3 **Lab ID: 20289938003** Collected: 09/18/23 10:59 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/22/23 07:50	09/27/23 06:23	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:23	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:23	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/22/23 07:50	09/27/23 06:23	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:23	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:23	53-70-3	
Fluoranthene	**0.0000134 J**	mg/L	0.0000500	0.0000110		1	09/22/23 07:50	09/27/23 06:23	206-44-0	J
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:23	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:23	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/22/23 07:50	09/27/23 06:23	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:23	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:23	129-00-0	
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/22/23 07:50	09/27/23 06:23	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/22/23 07:50	09/27/23 06:23	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	55.8	%	11.0-135			1	09/22/23 07:50	09/27/23 06:23	4165-60-0	
2-Fluorobiphenyl (S)	72.1	%	32.0-120			1	09/22/23 07:50	09/27/23 06:23	321-60-8	
Terphenyl-d14 (S)	58.4	%	23.0-122			1	09/22/23 07:50	09/27/23 06:23	1718-51-0	

Sample: TW-4 **Lab ID: 20289938004** Collected: 09/18/23 12:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 16:28		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 16:28		G7,P4
Aliphatic (>C16-C35)	**0.0561J**	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 16:28	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.158	0.0420		1.05	10/02/23 02:33	10/02/23 23:19		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 23:19		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 23:19		G7,P4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-4 **Lab ID: 20289938004** Collected: 09/18/23 12:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C21-C35)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 23:19		G7,P4
Surrogates										
o-Terphenyl (S)	57.5	%	40.0-140			1.05	10/02/23 02:33	10/02/23 23:19	84-15-1	
1-Chloro-octadecane (S)	29.3	%	40.0-140			1.05	10/02/23 02:33	10/02/23 16:28		SR
2-Fluorobiphenyl (S)	69.8	%	40.0-140			1.05	10/02/23 02:33	10/02/23 23:19	321-60-8	
2-Bromonaphthalene (S)	70.4	%	40.0-140			1.05	10/02/23 02:33	10/02/23 23:19	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	48.8	3200000	1		09/25/23 22:08		
Aliphatic (>C08-C10)	ND	ug/L	70.0	41.1	150000	1		09/25/23 22:08		
Aromatic (>C08-C10)	ND	ug/L	70.0	35.2	150000	1		09/25/23 22:08		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1		09/25/23 22:08	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:49	7440-36-0	
Arsenic	**0.11**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:49	7440-38-2	
Barium	**0.41**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:49	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:49	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:49	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:49	7440-47-3	
Cobalt	ND	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:49	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:49	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:49	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:49	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:49	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:49	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:49	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:49	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:49	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:21	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	ND	mg/L	0.00100	0.0000886		1	09/23/23 13:40	09/28/23 20:31	83-32-9	G7,R1
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/23/23 13:40	09/28/23 20:31	208-96-8	G7,R1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-4 **Lab ID: 20289938004** Collected: 09/18/23 12:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/23/23 13:40	09/28/23 20:31	120-12-7	G7
Aniline	ND	mg/L	0.0100	0.00165		1	09/23/23 13:40	09/28/23 20:31	62-53-3	G7,R1
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/23/23 13:40	09/28/23 20:31	56-55-3	G7
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/28/23 20:31	205-99-2	G7
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/23/23 13:40	09/28/23 20:31	207-08-9	G7
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/23/23 13:40	09/28/23 20:31	50-32-8	G7
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/23/23 13:40	09/28/23 20:31	111-44-4	G7
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/23/23 13:40	09/28/23 20:31	92-52-4	G7
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/23/23 13:40	09/28/23 20:31	108-60-1	G7
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/23/23 13:40	09/28/23 20:31	91-58-7	G7,R1
Chrysene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/28/23 20:31	218-01-9	G7
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/23/23 13:40	09/28/23 20:31	106-47-8	G7
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/23/23 13:40	09/28/23 20:31	53-70-3	G7
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/23/23 13:40	09/28/23 20:31	132-64-9	G7,R1
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/23/23 13:40	09/28/23 20:31	95-50-1	G7
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/23/23 13:40	09/28/23 20:31	541-73-1	G7
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/23/23 13:40	09/28/23 20:31	106-46-7	G7
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/23/23 13:40	09/28/23 20:31	91-94-1	G7,R1
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/23/23 13:40	09/28/23 20:31	121-14-2	G7
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/23/23 13:40	09/28/23 20:31	606-20-2	G7
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/23/23 13:40	09/28/23 20:31	206-44-0	G7
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/23/23 13:40	09/28/23 20:31	86-73-7	G7,R1
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/23/23 13:40	09/28/23 20:31	118-74-1	G7
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/23/23 13:40	09/28/23 20:31	87-68-3	G7,R1
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/23/23 13:40	09/28/23 20:31	77-47-4	G7
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/23/23 13:40	09/28/23 20:31	67-72-1	G7
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/23/23 13:40	09/28/23 20:31	193-39-5	G7
Isophorone	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/28/23 20:31	78-59-1	G7
Naphthalene	**0.000243J**	mg/L	0.00100	0.000159		1	09/23/23 13:40	09/28/23 20:31	91-20-3	G7,J
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/23/23 13:40	09/28/23 20:31	98-95-3	G7
2-Methylnaphthalene	ND	mg/L	0.00100	0.000117		1	09/23/23 13:40	09/28/23 20:31	91-57-6	G7
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/28/23 20:31	88-74-4	G7
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/23/23 13:40	09/28/23 20:31	99-09-2	G7
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/23/23 13:40	09/28/23 20:31	100-01-6	G7

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-4 **Lab ID: 20289938004** Collected: 09/18/23 12:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/23/23 13:40	09/28/23 20:31	86-30-6	G7,L0,R1
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/23/23 13:40	09/28/23 20:31	621-64-7	G7
Phenanthrene	ND	mg/L	0.00100	0.000112		1	09/23/23 13:40	09/28/23 20:31	85-01-8	G7,R1
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/23/23 13:40	09/28/23 20:31	85-68-7	G7
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/23/23 13:40	09/28/23 20:31	117-81-7	G7
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/23/23 13:40	09/28/23 20:31	84-66-2	G7
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/23/23 13:40	09/28/23 20:31	131-11-3	G7
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/23/23 13:40	09/28/23 20:31	117-84-0	G7
Pyrene	ND	mg/L	0.00100	0.000107		1	09/23/23 13:40	09/28/23 20:31	129-00-0	G7
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/23/23 13:40	09/28/23 20:31	95-57-8	G7
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/28/23 20:31	120-83-2	G7
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/23/23 13:40	09/28/23 20:31	105-67-9	G7
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/23/23 13:40	09/28/23 20:31	51-28-5	G7
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/28/23 20:31	100-02-7	G7
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/23/23 13:40	09/28/23 20:31	87-86-5	G7
Phenol	ND	mg/L	0.0100	0.00433		1	09/23/23 13:40	09/28/23 20:31	108-95-2	G7
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/23/23 13:40	09/28/23 20:31	95-95-4	G7,R1
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/23/23 13:40	09/28/23 20:31	88-06-2	G7
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/23/23 13:40	09/28/23 20:31	58-90-2	G7
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/23/23 13:40	09/28/23 20:31	95-94-3	G7,R1
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/23/23 13:40	10/04/23 20:52	99-65-0	G7
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/23/23 13:40	10/04/23 20:52	88-85-7	G7
Surrogates										
2-Fluorophenol (S)	24.3	%	10.0-120			1	09/23/23 13:40	09/28/23 20:31	367-12-4	
Phenol-d5 (S)	18.9	%	10.0-120			1	09/23/23 13:40	09/28/23 20:31	4165-62-2	
Nitrobenzene-d5 (S)	58.0	%	10.0-127			1	09/23/23 13:40	09/28/23 20:31	4165-60-0	
2-Fluorobiphenyl (S)	50.3	%	10.0-130			1	09/23/23 13:40	09/28/23 20:31	321-60-8	
2,4,6-Tribromophenol (S)	54.0	%	10.0-155			1	09/23/23 13:40	09/28/23 20:31	118-79-6	
Terphenyl-d14 (S)	68.4	%	10.0-128			1	09/23/23 13:40	09/28/23 20:31	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 20:06	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 20:06	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 20:06	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 20:06	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 20:06	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 20:06	78-93-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-4 **Lab ID: 20289938004** Collected: 09/18/23 12:07 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 20:06	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 20:06	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 20:06	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 20:06	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 20:06	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 20:06	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 20:06	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 20:06	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 20:06	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 20:06	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 20:06	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 20:06	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 20:06	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 20:06	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 20:06	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 20:06	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 20:06	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 20:06	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 20:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 20:06	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 20:06	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 20:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 20:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 20:06	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 20:06	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 20:06	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 20:06	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 20:06	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 20:06	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 20:06	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 20:06	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 20:06	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 20:06	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 20:06	95-47-6	
Surrogates										
Dibromofluoromethane (S)	102	%.	72-126			1		09/26/23 20:06	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	68-124			1		09/26/23 20:06	460-00-4	
Toluene-d8 (S)	100	%.	79-119			1		09/26/23 20:06	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: FB-4 **Lab ID: 20289938005** Collected: 09/18/23 12:17 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 16:52		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 16:52		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 16:52	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/02/23 02:33	10/02/23 22:55		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 22:55		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 22:55		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 22:55		
Surrogates										
o-Terphenyl (S)	57.8	%	40.0-140			1	10/02/23 02:33	10/02/23 22:55	84-15-1	
1-Chloro-octadecane (S)	45.1	%	40.0-140			1	10/02/23 02:33	10/02/23 16:52		
2-Fluorobiphenyl (S)	69.5	%	40.0-140			1	10/02/23 02:33	10/02/23 22:55	321-60-8	
2-Bromonaphthalene (S)	70.1	%	40.0-140			1	10/02/23 02:33	10/02/23 22:55	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0010	0.00034	.006	1	09/25/23 07:55	09/27/23 16:46	7440-36-0	
Arsenic	**0.00010J**	mg/L	0.0010	0.00010	.01	1	09/25/23 07:55	09/27/23 16:46	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/25/23 07:55	09/27/23 16:46	7440-39-3	
Beryllium	ND	mg/L	0.0010	0.00021	.004	1	09/25/23 07:55	09/27/23 16:46	7440-41-7	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/25/23 07:55	09/27/23 16:46	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/25/23 07:55	09/27/23 16:46	7440-47-3	
Cobalt	ND	mg/L	0.0010	0.00012	.22	1	09/25/23 07:55	09/27/23 16:46	7440-48-4	
Copper	ND	mg/L	0.0030	0.0017	1.3	1	09/25/23 07:55	09/27/23 16:46	7440-50-8	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/25/23 07:55	09/27/23 16:46	7439-92-1	
Nickel	ND	mg/L	0.0010	0.00062	.073	1	09/25/23 07:55	09/27/23 16:46	7440-02-0	
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/25/23 07:55	09/27/23 16:46	7782-49-2	
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/25/23 07:55	09/27/23 16:46	7440-22-4	
Thallium	ND	mg/L	0.00050	0.00011	.002	1	09/25/23 07:55	09/27/23 16:46	7440-28-0	
Vanadium	ND	mg/L	0.0050	0.00023	.026	1	09/25/23 07:55	09/27/23 16:46	7440-62-2	
Zinc	ND	mg/L	0.010	0.0072	1.1	1	09/25/23 07:55	09/27/23 16:46	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:23	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/23/23 02:27	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/23/23 02:27	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/23/23 02:27	208-96-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: FB-4 **Lab ID: 20289938005** Collected: 09/18/23 12:17 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/22/23 07:50	09/23/23 02:27	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/23/23 02:27	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/23/23 02:27	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/22/23 07:50	09/23/23 02:27	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/23/23 02:27	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/23/23 02:27	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/22/23 07:50	09/23/23 02:27	206-44-0	
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/23/23 02:27	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/23/23 02:27	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/22/23 07:50	09/23/23 02:27	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/23/23 02:27	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/23/23 02:27	129-00-0	
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/22/23 07:50	09/23/23 02:27	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/22/23 07:50	09/23/23 02:27	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	36.8	%	11.0-135			1	09/22/23 07:50	09/23/23 02:27	4165-60-0	
2-Fluorobiphenyl (S)	47.9	%	32.0-120			1	09/22/23 07:50	09/23/23 02:27	321-60-8	
Terphenyl-d14 (S)	55.5	%	23.0-122			1	09/22/23 07:50	09/23/23 02:27	1718-51-0	

Sample: TW-5 **Lab ID: 20289938006** Collected: 09/18/23 12:48 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 17:16		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 17:16		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 17:16	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/02/23 02:33	10/02/23 22:31		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 22:31		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 22:31		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 22:31		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-5 **Lab ID: 20289938006** Collected: 09/18/23 12:48 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Surrogates										
o-Terphenyl (S)	41.4	%	40.0-140			1	10/02/23 02:33	10/02/23 22:31	84-15-1	
1-Chloro-octadecane (S)	21.8	%	40.0-140			1	10/02/23 02:33	10/02/23 17:16		SR
2-Fluorobiphenyl (S)	64.7	%	40.0-140			1	10/02/23 02:33	10/02/23 22:31	321-60-8	
2-Bromonaphthalene (S)	66.1	%	40.0-140			1	10/02/23 02:33	10/02/23 22:31	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	48.8	3200000	1		09/25/23 22:31		
Aliphatic (>C08-C10)	ND	ug/L	70.0	41.1	150000	1		09/25/23 22:31		
Aromatic (>C08-C10)	ND	ug/L	70.0	35.2	150000	1		09/25/23 22:31		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1		09/25/23 22:31	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:27	7440-36-0	
Arsenic	**0.067**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:27	7440-38-2	
Barium	**0.38**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:27	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:27	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:27	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:27	7440-47-3	
Cobalt	ND	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:27	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:27	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:27	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:27	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:27	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:27	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:27	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:25	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	ND	mg/L	0.00100	0.0000886		1	09/23/23 13:40	09/25/23 16:53	83-32-9	R1
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/23/23 13:40	09/25/23 16:53	208-96-8	R1

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-5 **Lab ID: 20289938006** Collected: 09/18/23 12:48 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/23/23 13:40	09/25/23 16:53	120-12-7	
Aniline	ND	mg/L	0.0100	0.00165		1	09/23/23 13:40	09/25/23 16:53	62-53-3	R1
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/23/23 13:40	09/25/23 16:53	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 16:53	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/23/23 13:40	09/25/23 16:53	207-08-9	
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/23/23 13:40	09/25/23 16:53	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/23/23 13:40	09/25/23 16:53	111-44-4	
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/23/23 13:40	09/25/23 16:53	92-52-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/23/23 13:40	09/25/23 16:53	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/23/23 13:40	09/25/23 16:53	91-58-7	R1
Chrysene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 16:53	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/23/23 13:40	09/25/23 16:53	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/23/23 13:40	09/25/23 16:53	53-70-3	
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/23/23 13:40	09/25/23 16:53	132-64-9	R1
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/23/23 13:40	09/25/23 16:53	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/23/23 13:40	09/25/23 16:53	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/23/23 13:40	09/25/23 16:53	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/23/23 13:40	09/25/23 16:53	91-94-1	R1
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/23/23 13:40	09/25/23 16:53	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/23/23 13:40	09/25/23 16:53	606-20-2	
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/23/23 13:40	09/25/23 16:53	206-44-0	
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/23/23 13:40	09/25/23 16:53	86-73-7	R1
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/23/23 13:40	09/25/23 16:53	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/23/23 13:40	09/25/23 16:53	87-68-3	R1
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/23/23 13:40	09/25/23 16:53	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/23/23 13:40	09/25/23 16:53	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/23/23 13:40	09/25/23 16:53	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 16:53	78-59-1	
Naphthalene	ND	mg/L	0.00100	0.000159		1	09/23/23 13:40	09/25/23 16:53	91-20-3	
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/23/23 13:40	09/25/23 16:53	98-95-3	
2-Methylnaphthalene	ND	mg/L	0.00100	0.000117		1	09/23/23 13:40	09/25/23 16:53	91-57-6	
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 16:53	88-74-4	
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/23/23 13:40	09/25/23 16:53	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/23/23 13:40	09/25/23 16:53	100-01-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-5 **Lab ID: 20289938006** Collected: 09/18/23 12:48 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/23/23 13:40	09/25/23 16:53	86-30-6	L0,R1
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/23/23 13:40	09/25/23 16:53	621-64-7	
Phenanthrene	ND	mg/L	0.00100	0.000112		1	09/23/23 13:40	09/25/23 16:53	85-01-8	R1
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/23/23 13:40	09/25/23 16:53	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/23/23 13:40	09/25/23 16:53	117-81-7	
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/23/23 13:40	09/25/23 16:53	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/23/23 13:40	09/25/23 16:53	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/23/23 13:40	09/25/23 16:53	117-84-0	
Pyrene	ND	mg/L	0.00100	0.000107		1	09/23/23 13:40	09/25/23 16:53	129-00-0	
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/23/23 13:40	09/25/23 16:53	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 16:53	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/23/23 13:40	09/25/23 16:53	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/23/23 13:40	09/25/23 16:53	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 16:53	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/23/23 13:40	09/25/23 16:53	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/23/23 13:40	09/25/23 16:53	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/23/23 13:40	09/25/23 16:53	95-95-4	R1
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/23/23 13:40	09/25/23 16:53	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/23/23 13:40	09/25/23 16:53	58-90-2	
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/23/23 13:40	09/25/23 16:53	95-94-3	R1
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/23/23 13:40	10/04/23 21:14	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/23/23 13:40	10/04/23 21:14	88-85-7	
Surrogates										
2-Fluorophenol (S)	19.5	%	10.0-120			1	09/23/23 13:40	09/25/23 16:53	367-12-4	
Phenol-d5 (S)	12.7	%	10.0-120			1	09/23/23 13:40	09/25/23 16:53	4165-62-2	
Nitrobenzene-d5 (S)	42.3	%	10.0-127			1	09/23/23 13:40	09/25/23 16:53	4165-60-0	
2-Fluorobiphenyl (S)	42.6	%	10.0-130			1	09/23/23 13:40	09/25/23 16:53	321-60-8	
2,4,6-Tribromophenol (S)	41.6	%	10.0-155			1	09/23/23 13:40	09/25/23 16:53	118-79-6	
Terphenyl-d14 (S)	38.7	%	10.0-128			1	09/23/23 13:40	09/25/23 16:53	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 20:25	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 20:25	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 20:25	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 20:25	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 20:25	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 20:25	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 20:25	75-15-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-5 **Lab ID: 20289938006** Collected: 09/18/23 12:48 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 20:25	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 20:25	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 20:25	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 20:25	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 20:25	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 20:25	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 20:25	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 20:25	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 20:25	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 20:25	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 20:25	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 20:25	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 20:25	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 20:25	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 20:25	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 20:25	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 20:25	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 20:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 20:25	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 20:25	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 20:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 20:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 20:25	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 20:25	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 20:25	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 20:25	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 20:25	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 20:25	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 20:25	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 20:25	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 20:25	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 20:25	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 20:25	95-47-6	
Surrogates										
Dibromofluoromethane (S)	101	%.	72-126			1		09/26/23 20:25	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	68-124			1		09/26/23 20:25	460-00-4	
Toluene-d8 (S)	102	%.	79-119			1		09/26/23 20:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-6 **Lab ID: 20289938007** Collected: 09/18/23 13:46 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 17:41		G7
Aliphatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 17:41		G7
Aliphatic (>C16-C35)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 17:41	TPHC16C35	G7
Aromatic (>C10-C12)	ND	mg/L	0.158	0.0420		1.05	10/02/23 02:33	10/02/23 22:07		G7
Aromatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 22:07		G7
Aromatic (>C16-C21)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 22:07		G7
Aromatic (>C21-C35)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 22:07		G7
Surrogates										
o-Terphenyl (S)	56.5	%	40.0-140			1.05	10/02/23 02:33	10/02/23 22:07	84-15-1	
1-Chloro-octadecane (S)	28.0	%	40.0-140			1.05	10/02/23 02:33	10/02/23 17:41		SR
2-Fluorobiphenyl (S)	73.7	%	40.0-140			1.05	10/02/23 02:33	10/02/23 22:07	321-60-8	
2-Bromonaphthalene (S)	74.3	%	40.0-140			1.05	10/02/23 02:33	10/02/23 22:07	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	48.8	3200000	1		09/25/23 22:54		
Aliphatic (>C08-C10)	ND	ug/L	70.0	41.1	150000	1		09/25/23 22:54		
Aromatic (>C08-C10)	ND	ug/L	70.0	35.2	150000	1		09/25/23 22:54		
Surrogates										
4-Bromofluorobenzene (S)	98	%.	63-133			1		09/25/23 22:54	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:30	7440-36-0	
Arsenic	**0.093**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:30	7440-38-2	
Barium	**0.46**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:30	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:30	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:30	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:30	7440-47-3	
Cobalt	**0.00029J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:30	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:30	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:30	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:30	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:30	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:30	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:30	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:28	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-6 **Lab ID: 20289938007** Collected: 09/18/23 13:46 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/27/23 06:04	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/27/23 06:04	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:04	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/22/23 07:50	09/27/23 06:04	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:04	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:04	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/22/23 07:50	09/27/23 06:04	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:04	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:04	53-70-3	
Fluoranthene	**0.0000216 J**	mg/L	0.0000500	0.0000110		1	09/22/23 07:50	09/27/23 06:04	206-44-0	J
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:04	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:04	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/22/23 07:50	09/27/23 06:04	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 06:04	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 06:04	129-00-0	
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/22/23 07:50	09/27/23 06:04	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/22/23 07:50	09/27/23 06:04	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	54.2	%	11.0-135			1	09/22/23 07:50	09/27/23 06:04	4165-60-0	
2-Fluorobiphenyl (S)	70.3	%	32.0-120			1	09/22/23 07:50	09/27/23 06:04	321-60-8	
Terphenyl-d14 (S)	54.0	%	23.0-122			1	09/22/23 07:50	09/27/23 06:04	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 20:44	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 20:44	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 20:44	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 20:44	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 20:44	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 20:44	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 20:44	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 20:44	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-6 **Lab ID: 20289938007** Collected: 09/18/23 13:46 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 20:44	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 20:44	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 20:44	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 20:44	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 20:44	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 20:44	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 20:44	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 20:44	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 20:44	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 20:44	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 20:44	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 20:44	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 20:44	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 20:44	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 20:44	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 20:44	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 20:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 20:44	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 20:44	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 20:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 20:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 20:44	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 20:44	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 20:44	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 20:44	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 20:44	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 20:44	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 20:44	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 20:44	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 20:44	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 20:44	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 20:44	95-47-6	
Surrogates										
Dibromofluoromethane (S)	101	%.	72-126			1		09/26/23 20:44	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	68-124			1		09/26/23 20:44	460-00-4	
Toluene-d8 (S)	101	%.	79-119			1		09/26/23 20:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-7 **Lab ID: 20289938008** Collected: 09/18/23 14:34 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 18:05		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 18:05		
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 18:05	TPHC16C35	
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/02/23 02:33	10/02/23 21:43		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 21:43		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 21:43		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 21:43		
Surrogates										
o-Terphenyl (S)	55.9	%	40.0-140			1	10/02/23 02:33	10/02/23 21:43	84-15-1	
1-Chloro-octadecane (S)	26.4	%	40.0-140			1	10/02/23 02:33	10/02/23 18:05		SR
2-Fluorobiphenyl (S)	68.6	%	40.0-140			1	10/02/23 02:33	10/02/23 21:43	321-60-8	
2-Bromonaphthalene (S)	70.3	%	40.0-140			1	10/02/23 02:33	10/02/23 21:43	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	48.8	3200000	1		09/25/23 23:16		
Aliphatic (>C08-C10)	ND	ug/L	70.0	41.1	150000	1		09/25/23 23:16		
Aromatic (>C08-C10)	ND	ug/L	70.0	35.2	150000	1		09/25/23 23:16		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1		09/25/23 23:16	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:33	7440-36-0	
Arsenic	**0.065**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:33	7440-38-2	
Barium	**0.57**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:33	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:33	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:33	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:33	7440-47-3	
Cobalt	**0.00030J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:33	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:33	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:33	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:33	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:33	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:33	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:33	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:30	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-7 **Lab ID: 20289938008** Collected: 09/18/23 14:34 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/27/23 09:02	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/22/23 07:50	09/27/23 09:02	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 09:02	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/22/23 07:50	09/27/23 09:02	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 09:02	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 09:02	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/22/23 07:50	09/27/23 09:02	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 09:02	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 09:02	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/22/23 07:50	09/27/23 09:02	206-44-0	
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 09:02	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 09:02	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/22/23 07:50	09/27/23 09:02	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/22/23 07:50	09/27/23 09:02	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/22/23 07:50	09/27/23 09:02	129-00-0	
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/22/23 07:50	09/27/23 09:02	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/22/23 07:50	09/27/23 09:02	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	52.4	%	11.0-135			1	09/22/23 07:50	09/27/23 09:02	4165-60-0	
2-Fluorobiphenyl (S)	65.9	%	32.0-120			1	09/22/23 07:50	09/27/23 09:02	321-60-8	
Terphenyl-d14 (S)	51.4	%	23.0-122			1	09/22/23 07:50	09/27/23 09:02	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 21:03	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 21:03	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 21:03	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 21:03	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 21:03	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 21:03	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 21:03	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 21:03	56-23-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-7 **Lab ID: 20289938008** Collected: 09/18/23 14:34 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 21:03	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 21:03	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 21:03	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 21:03	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 21:03	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 21:03	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 21:03	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 21:03	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 21:03	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 21:03	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 21:03	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 21:03	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 21:03	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 21:03	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 21:03	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 21:03	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 21:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 21:03	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 21:03	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 21:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 21:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 21:03	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 21:03	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 21:03	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 21:03	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 21:03	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 21:03	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 21:03	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 21:03	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 21:03	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 21:03	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 21:03	95-47-6	
Surrogates										
Dibromofluoromethane (S)	101	%.	72-126			1		09/26/23 21:03	1868-53-7	
4-Bromofluorobenzene (S)	97	%.	68-124			1		09/26/23 21:03	460-00-4	
Toluene-d8 (S)	101	%.	79-119			1		09/26/23 21:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-8 **Lab ID: 20289938009** Collected: 09/18/23 15:31 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 18:29		P4
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 18:29		P4
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 18:29	TPHC16C35	P4
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/02/23 02:33	10/02/23 21:19		P4
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 21:19		P4
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 21:19		P4
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/02/23 02:33	10/02/23 21:19		P4
Surrogates										
o-Terphenyl (S)	50.8	%	40.0-140			1	10/02/23 02:33	10/02/23 21:19	84-15-1	
1-Chloro-octadecane (S)	23.0	%	40.0-140			1	10/02/23 02:33	10/02/23 18:29		SR
2-Fluorobiphenyl (S)	67.6	%	40.0-140			1	10/02/23 02:33	10/02/23 21:19	321-60-8	
2-Bromonaphthalene (S)	68.8	%	40.0-140			1	10/02/23 02:33	10/02/23 21:19	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	48.8	3200000	1		09/25/23 23:39		
Aliphatic (>C08-C10)	ND	ug/L	70.0	41.1	150000	1		09/25/23 23:39		
Aromatic (>C08-C10)	ND	ug/L	70.0	35.2	150000	1		09/25/23 23:39		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1		09/25/23 23:39	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:36	7440-36-0	
Arsenic	**0.23**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:36	7440-38-2	
Barium	**0.84**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:36	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:36	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:36	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:36	7440-47-3	
Cobalt	**0.00051J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:36	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:36	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:36	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:36	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:36	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:36	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:36	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/20/23 11:15	09/21/23 12:33	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-8 **Lab ID: 20289938009** Collected: 09/18/23 15:31 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	ND	mg/L	0.00100	0.0000886		1	09/23/23 13:40	09/25/23 17:15	83-32-9	R1
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/23/23 13:40	09/25/23 17:15	208-96-8	R1
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/23/23 13:40	09/25/23 17:15	120-12-7	
Aniline	ND	mg/L	0.0100	0.00165		1	09/23/23 13:40	09/25/23 17:15	62-53-3	R1
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/23/23 13:40	09/25/23 17:15	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 17:15	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/23/23 13:40	09/25/23 17:15	207-08-9	
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/23/23 13:40	09/25/23 17:15	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/23/23 13:40	09/25/23 17:15	111-44-4	
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/23/23 13:40	09/25/23 17:15	92-52-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/23/23 13:40	09/25/23 17:15	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/23/23 13:40	09/25/23 17:15	91-58-7	R1
Chrysene	ND	mg/L	0.00100	0.000130		1	09/23/23 13:40	09/25/23 17:15	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/23/23 13:40	09/25/23 17:15	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/23/23 13:40	09/25/23 17:15	53-70-3	
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/23/23 13:40	09/25/23 17:15	132-64-9	R1
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/23/23 13:40	09/25/23 17:15	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/23/23 13:40	09/25/23 17:15	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/23/23 13:40	09/25/23 17:15	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/23/23 13:40	09/25/23 17:15	91-94-1	R1
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/23/23 13:40	09/25/23 17:15	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/23/23 13:40	09/25/23 17:15	606-20-2	
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/23/23 13:40	09/25/23 17:15	206-44-0	
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/23/23 13:40	09/25/23 17:15	86-73-7	R1
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/23/23 13:40	09/25/23 17:15	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/23/23 13:40	09/25/23 17:15	87-68-3	R1
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/23/23 13:40	09/25/23 17:15	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/23/23 13:40	09/25/23 17:15	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/23/23 13:40	09/25/23 17:15	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 17:15	78-59-1	
Naphthalene	**0.000251J**	mg/L	0.00100	0.000159		1	09/23/23 13:40	09/25/23 17:15	91-20-3	J
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/23/23 13:40	09/25/23 17:15	98-95-3	
2-Methylnaphthalene	ND	mg/L	0.00100	0.000117		1	09/23/23 13:40	09/25/23 17:15	91-57-6	
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 17:15	88-74-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-8 **Lab ID: 20289938009** Collected: 09/18/23 15:31 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/23/23 13:40	09/25/23 17:15	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/23/23 13:40	09/25/23 17:15	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/23/23 13:40	09/25/23 17:15	86-30-6	L0,R1
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/23/23 13:40	09/25/23 17:15	621-64-7	
Phenanthrene	ND	mg/L	0.00100	0.000112		1	09/23/23 13:40	09/25/23 17:15	85-01-8	R1
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/23/23 13:40	09/25/23 17:15	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/23/23 13:40	09/25/23 17:15	117-81-7	
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/23/23 13:40	09/25/23 17:15	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/23/23 13:40	09/25/23 17:15	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/23/23 13:40	09/25/23 17:15	117-84-0	
Pyrene	ND	mg/L	0.00100	0.000107		1	09/23/23 13:40	09/25/23 17:15	129-00-0	
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/23/23 13:40	09/25/23 17:15	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/23/23 13:40	09/25/23 17:15	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/23/23 13:40	09/25/23 17:15	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/23/23 13:40	09/25/23 17:15	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/23/23 13:40	09/25/23 17:15	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/23/23 13:40	09/25/23 17:15	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/23/23 13:40	09/25/23 17:15	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/23/23 13:40	09/25/23 17:15	95-95-4	R1
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/23/23 13:40	09/25/23 17:15	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/23/23 13:40	09/25/23 17:15	58-90-2	
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/23/23 13:40	09/25/23 17:15	95-94-3	R1
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/23/23 13:40	10/04/23 21:35	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/23/23 13:40	10/04/23 21:35	88-85-7	
Surrogates										
2-Fluorophenol (S)	21.2	%	10.0-120			1	09/23/23 13:40	09/25/23 17:15	367-12-4	
Phenol-d5 (S)	15.0	%	10.0-120			1	09/23/23 13:40	09/25/23 17:15	4165-62-2	
Nitrobenzene-d5 (S)	46.8	%	10.0-127			1	09/23/23 13:40	09/25/23 17:15	4165-60-0	
2-Fluorobiphenyl (S)	35.9	%	10.0-130			1	09/23/23 13:40	09/25/23 17:15	321-60-8	
2,4,6-Tribromophenol (S)	44.1	%	10.0-155			1	09/23/23 13:40	09/25/23 17:15	118-79-6	
Terphenyl-d14 (S)	26.9	%	10.0-128			1	09/23/23 13:40	09/25/23 17:15	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 21:21	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 21:21	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 21:21	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Sample: TW-8 **Lab ID: 20289938009** Collected: 09/18/23 15:31 Received: 09/19/23 14:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 21:21	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 21:21	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 21:21	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 21:21	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 21:21	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 21:21	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 21:21	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 21:21	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 21:21	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 21:21	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 21:21	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 21:21	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 21:21	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 21:21	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 21:21	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 21:21	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 21:21	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 21:21	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 21:21	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 21:21	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 21:21	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 21:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 21:21	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 21:21	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 21:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 21:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 21:21	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 21:21	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 21:21	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 21:21	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 21:21	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 21:21	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 21:21	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 21:21	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 21:21	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 21:21	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 21:21	95-47-6	
Surrogates										
Dibromofluoromethane (S)	104	%.	72-126			1		09/26/23 21:21	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	68-124			1		09/26/23 21:21	460-00-4	
Toluene-d8 (S)	102	%.	79-119			1		09/26/23 21:21	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 2141530
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289938001, 20289938002

METHOD BLANK: R3980300-1 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	09/29/23 14:31	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/29/23 14:31	
Aliphatic (>C16-C35)	mg/L	0.0570J	0.150	0.0500	09/29/23 14:31	J
1-Chloro-octadecane (S)	%	87.4	40.0-140		09/29/23 14:31	

METHOD BLANK: R3980300-4 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	09/29/23 15:38	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	09/29/23 15:38	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	09/29/23 15:38	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	09/29/23 15:38	
o-Terphenyl (S)	%	101	40.0-140		09/29/23 15:38	
2-Fluorobiphenyl (S)	%	106	40.0-140		09/29/23 15:38	
2-Bromonaphthalene (S)	%	106	40.0-140		09/29/23 15:38	

LABORATORY CONTROL SAMPLE & LCSD: R3980300-2 R3980300-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0600	0.0630	60.0	63.0	40.0-140	4.90	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.200	0.190	100	95.0	40.0-140	5.10	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.860	0.830	110	100	40.0-140	3.60	50	
1-Chloro-octadecane (S)	%				89.1	87.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3980300-5 R3980300-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0760	0.0780	76.0	78.0	40.0-140	2.60	50	
Aromatic (>C12-C16)	mg/L	0.300	0.270	0.270	90.0	90.0	40.0-140	0.00	50	
Aromatic (>C16-C21)	mg/L	0.500	0.510	0.480	100	96.0	40.0-140	6.10	50	
Aromatic (>C21-C35)	mg/L	0.800	0.770	0.670	96.0	84.0	40.0-140	14.0	50	
o-Terphenyl (S)	%				94.2	89.5	40.0-140			
2-Fluorobiphenyl (S)	%				98.6	101	40.0-140			
2-Bromonaphthalene (S)	%				98.5	101	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3980300-7 R3980300-8

Parameter	Units	L1657167-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/L	ND	0.0950	0.0950	0.0980	0.0730	100	77.0	40.0-140	29.0	50	
Aliphatic (>C12-C16)	mg/L	ND	0.190	0.190	0.220	0.220	120	120	40.0-140	0.00	50	
Aliphatic (>C16-C35)	mg/L	ND	0.760	0.760	0.820	0.770	110	100	40.0-140	6.30	50	
1-Chloro-octadecane (S)	%						45.8	39.1	40.0-140			SR

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3980300-9 R3980300-10

Parameter	Units	L1657167-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/L	ND	0.0950	0.0950	0.0880	0.0760	93.0	80.0	40.0-140	15.0	50	
Aromatic (>C12-C16)	mg/L	ND	0.290	0.290	0.280	0.250	98.0	88.0	40.0-140	11.0	50	
Aromatic (>C16-C21)	mg/L	ND	0.480	0.480	0.480	0.420	100	88.0	40.0-140	13.0	50	
Aromatic (>C21-C35)	mg/L	ND	0.760	0.760	0.610	0.540	80.0	71.0	40.0-140	12.0	50	
o-Terphenyl (S)	%						86.4	72.6	40.0-140			
2-Fluorobiphenyl (S)	%						100	94.9	40.0-140			
2-Bromonaphthalene (S)	%						97.1	91.8	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 2143105
QC Batch Method: MA DEP/NJ DEP
Analysis Method: EPH
Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289938003, 20289938004, 20289938005, 20289938006, 20289938007, 20289938008, 20289938009

METHOD BLANK: R3980776-1 Matrix: Water
Associated Lab Samples: 20289938003, 20289938004, 20289938005, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	10/02/23 13:38	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/02/23 13:38	
Aliphatic (>C16-C35)	mg/L	0.0500J	0.150	0.0500	10/02/23 13:38	J
1-Chloro-octadecane (S)	%	52.3	40.0-140		10/02/23 13:38	

METHOD BLANK: R3980776-4 Matrix: Water
Associated Lab Samples: 20289938003, 20289938004, 20289938005, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	10/02/23 14:51	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/02/23 14:51	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	10/02/23 14:51	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	10/02/23 14:51	
o-Terphenyl (S)	%	63.9	40.0-140		10/02/23 14:51	
2-Fluorobiphenyl (S)	%	71.6	40.0-140		10/02/23 14:51	
2-Bromonaphthalene (S)	%	73.6	40.0-140		10/02/23 14:51	

LABORATORY CONTROL SAMPLE & LCSD: R3980776-2 R3980776-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0480	0.0520	48.0	52.0	40.0-140	8.00	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.120	0.120	60.0	60.0	40.0-140	0.00	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.510	0.550	64.0	69.0	40.0-140	7.60	50	
1-Chloro-octadecane (S)	%				48.8	51.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3980776-5 R3980776-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0520	0.0570	52.0	57.0	40.0-140	9.20	50	
Aromatic (>C12-C16)	mg/L	0.300	0.160	0.170	53.0	57.0	40.0-140	6.10	50	
Aromatic (>C16-C21)	mg/L	0.500	0.310	0.340	62.0	68.0	40.0-140	9.20	50	
Aromatic (>C21-C35)	mg/L	0.800	0.500	0.540	63.0	68.0	40.0-140	7.70	50	
o-Terphenyl (S)	%				60.9	65.3	40.0-140			
2-Fluorobiphenyl (S)	%				68.3	70.4	40.0-140			
2-Bromonaphthalene (S)	%				69.1	71.5	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 300537
QC Batch Method: MADEP VPH Mod
Analysis Method: MADEP VPH Mod
Analysis Description: 8015WM VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938007, 20289938008, 20289938009

METHOD BLANK: 1439097 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/L	ND	70.0	41.1	09/25/23 17:13	
Aliphatic (C06-C08)	ug/L	ND	85.0	48.8	09/25/23 17:13	
Aromatic (>C08-C10)	ug/L	ND	70.0	35.2	09/25/23 17:13	
4-Bromofluorobenzene (S)	%.	93	63-133		09/25/23 17:13	

LABORATORY CONTROL SAMPLE: 1439098

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/L	280	261	93	72-127	
Aliphatic (C06-C08)	ug/L	280	274	98	77-144	
Aromatic (>C08-C10)	ug/L	280	273	97	78-134	
4-Bromofluorobenzene (S)	%.			97	63-133	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439099 1439100

Parameter	Units	20289938001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C08-C10)	ug/L	ND	280	280	282	271	96	92	10-171	4	20	
Aliphatic (C06-C08)	ug/L	ND	280	280	297	286	105	101	10-160	4	20	
Aromatic (>C08-C10)	ug/L	ND	280	280	296	290	105	103	10-160	2	20	
4-Bromofluorobenzene (S)	%.						98	100	63-133			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 299868 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289938001, 20289938002, 20289938003, 20289938004, 20289938005, 20289938006, 20289938007, 20289938008, 20289938009

METHOD BLANK: 1435812 | Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938003, 20289938004, 20289938005, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000064	09/21/23 11:49	

LABORATORY CONTROL SAMPLE: 1435813

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.00096	96	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1435814 1435815

Parameter	Units	20289640003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	<0.064 ug/L	0.001	0.001	0.00092	0.00093	92	93	75-125	1	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 300443
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289938001, 20289938002, 20289938003, 20289938004, 20289938005, 20289938006, 20289938007, 20289938008, 20289938009

METHOD BLANK: 1438728 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938003, 20289938004, 20289938005, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0010	0.00034	09/27/23 14:08	
Arsenic	mg/L	ND	0.0010	0.00010	09/27/23 14:08	
Barium	mg/L	ND	0.0010	0.00064	09/27/23 14:08	
Beryllium	mg/L	ND	0.0010	0.00021	09/27/23 14:08	
Cadmium	mg/L	ND	0.0010	0.00019	09/27/23 14:08	
Chromium	mg/L	ND	0.0010	0.00063	09/27/23 14:08	
Cobalt	mg/L	ND	0.0010	0.00012	09/27/23 14:08	
Copper	mg/L	ND	0.0030	0.0017	09/27/23 14:08	
Lead	mg/L	ND	0.0010	0.00069	09/27/23 14:08	
Nickel	mg/L	ND	0.0010	0.00062	09/27/23 14:08	
Selenium	mg/L	ND	0.0010	0.00026	09/27/23 14:08	
Silver	mg/L	ND	0.00050	0.00020	09/27/23 14:08	
Thallium	mg/L	ND	0.00050	0.00011	09/27/23 14:08	
Vanadium	mg/L	ND	0.0050	0.00023	09/27/23 14:08	
Zinc	mg/L	ND	0.010	0.0072	09/27/23 14:08	

LABORATORY CONTROL SAMPLE: 1438729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.06	0.058	97	85-115	
Arsenic	mg/L	0.06	0.059	98	85-115	
Barium	mg/L	0.06	0.057	95	85-115	
Beryllium	mg/L	0.06	0.063	106	84-115	
Cadmium	mg/L	0.06	0.055	91	85-115	
Chromium	mg/L	0.06	0.058	96	85-115	
Cobalt	mg/L	0.06	0.060	101	85-115	
Copper	mg/L	0.06	0.058	97	85-116	
Lead	mg/L	0.06	0.057	95	85-115	
Nickel	mg/L	0.06	0.060	101	85-115	
Selenium	mg/L	0.06	0.058	97	85-115	
Silver	mg/L	0.03	0.029	96	85-115	
Thallium	mg/L	0.03	0.029	95	85-115	
Vanadium	mg/L	0.06	0.058	97	85-115	
Zinc	mg/L	0.06	0.061	101	85-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438730 1438731

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.06	0.06	0.062	0.062	103	102	80-120	1	20	
Arsenic	mg/L	0.024	0.06	0.06	0.086	0.085	103	101	80-120	1	20	
Barium	mg/L	0.52	0.06	0.06	0.58	0.58	96	102	80-120	1	20	
Beryllium	mg/L	ND	0.06	0.06	0.067	0.066	111	109	80-120	2	20	
Cadmium	mg/L	ND	0.06	0.06	0.057	0.056	95	94	80-120	2	20	
Chromium	mg/L	ND	0.06	0.06	0.060	0.060	99	99	80-120	0	20	
Cobalt	mg/L	ND	0.06	0.06	0.062	0.061	103	102	80-120	1	20	
Copper	mg/L	ND	0.06	0.06	0.060	0.059	99	98	80-120	1	20	
Lead	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	0	20	
Nickel	mg/L	0.0018J	0.06	0.06	0.063	0.063	103	102	80-120	0	20	
Selenium	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	0	20	
Silver	mg/L	ND	0.03	0.03	0.029	0.029	98	98	80-120	0	20	
Thallium	mg/L	ND	0.03	0.03	0.031	0.030	102	100	80-120	2	20	
Vanadium	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	1	20	
Zinc	mg/L	ND	0.06	0.06	0.062	0.062	97	97	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 2137311
QC Batch Method: 3510C
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938009

METHOD BLANK: R3979156-3 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/L	ND	0.00100	0.0000886	09/25/23 12:51	
Acenaphthylene	mg/L	ND	0.00100	0.0000921	09/25/23 12:51	
Anthracene	mg/L	ND	0.00100	0.0000804	09/25/23 12:51	
Aniline	mg/L	ND	0.0100	0.00165	09/25/23 12:51	
Benzo(a)anthracene	mg/L	ND	0.00100	0.000199	09/25/23 12:51	
Benzo(b)fluoranthene	mg/L	ND	0.00100	0.000130	09/25/23 12:51	
Benzo(k)fluoranthene	mg/L	ND	0.00100	0.000120	09/25/23 12:51	
Benzo(a)pyrene	mg/L	ND	0.00100	0.0000381	09/25/23 12:51	
bis(2-Chloroethyl) ether	mg/L	ND	0.0100	0.000137	09/25/23 12:51	
Biphenyl (Diphenyl)	mg/L	ND	0.0100	0.000790	09/25/23 12:51	
2,2'-Oxybis(1-chloropropane)	mg/L	ND	0.0100	0.000210	09/25/23 12:51	
2-Chloronaphthalene	mg/L	ND	0.00100	0.0000648	09/25/23 12:51	
Chrysene	mg/L	ND	0.00100	0.000130	09/25/23 12:51	
4-Chloroaniline	mg/L	ND	0.0100	0.000234	09/25/23 12:51	
Dibenz(a,h)anthracene	mg/L	ND	0.00100	0.0000644	09/25/23 12:51	
Dibenzofuran	mg/L	ND	0.0100	0.0000970	09/25/23 12:51	
1,2-Dichlorobenzene	mg/L	ND	0.0100	0.0000713	09/25/23 12:51	
1,3-Dichlorobenzene	mg/L	ND	0.0100	0.000132	09/25/23 12:51	
1,4-Dichlorobenzene	mg/L	ND	0.0100	0.0000942	09/25/23 12:51	
3,3'-Dichlorobenzidine	mg/L	ND	0.0100	0.000212	09/25/23 12:51	
2,4-Dinitrotoluene	mg/L	ND	0.0100	0.0000983	09/25/23 12:51	
2,6-Dinitrotoluene	mg/L	ND	0.0100	0.000250	09/25/23 12:51	
Fluoranthene	mg/L	ND	0.00100	0.000102	09/25/23 12:51	
Fluorene	mg/L	ND	0.00100	0.0000844	09/25/23 12:51	
Hexachlorobenzene	mg/L	ND	0.00100	0.0000755	09/25/23 12:51	
Hexachloro-1,3-butadiene	mg/L	ND	0.0100	0.0000968	09/25/23 12:51	
Hexachlorocyclopentadiene	mg/L	ND	0.0100	0.0000598	09/25/23 12:51	
Hexachloroethane	mg/L	ND	0.0100	0.000127	09/25/23 12:51	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.00100	0.000279	09/25/23 12:51	
Isophorone	mg/L	ND	0.0100	0.000143	09/25/23 12:51	
Naphthalene	mg/L	ND	0.00100	0.000159	09/25/23 12:51	
Nitrobenzene	mg/L	ND	0.0100	0.000297	09/25/23 12:51	
2-Methylnaphthalene	mg/L	ND	0.00100	0.000117	09/25/23 12:51	
2-Nitroaniline	mg/L	ND	0.0100	0.000102	09/25/23 12:51	
3-Nitroaniline	mg/L	ND	0.0100	0.0000869	09/25/23 12:51	
4-Nitroaniline	mg/L	ND	0.0100	0.0000910	09/25/23 12:51	
N-Nitrosodiphenylamine	mg/L	ND	0.0100	0.00237	09/25/23 12:51	
N-Nitroso-di-n-propylamine	mg/L	ND	0.0100	0.000261	09/25/23 12:51	
Phenanthrene	mg/L	ND	0.00100	0.000112	09/25/23 12:51	
Butylbenzylphthalate	mg/L	ND	0.00300	0.000765	09/25/23 12:51	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

METHOD BLANK: R3979156-3 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	mg/L	ND	0.00300	0.000895	09/25/23 12:51	
Diethylphthalate	mg/L	ND	0.00300	0.000287	09/25/23 12:51	
Dimethylphthalate	mg/L	ND	0.00300	0.000260	09/25/23 12:51	
Di-n-octylphthalate	mg/L	ND	0.00300	0.000932	09/25/23 12:51	
Pyrene	mg/L	ND	0.00100	0.000107	09/25/23 12:51	
2-Chlorophenol	mg/L	ND	0.0100	0.000133	09/25/23 12:51	
2,4-Dichlorophenol	mg/L	ND	0.0100	0.000102	09/25/23 12:51	
2,4-Dimethylphenol	mg/L	ND	0.0100	0.0000636	09/25/23 12:51	
2,4-Dinitrophenol	mg/L	ND	0.0100	0.00593	09/25/23 12:51	
4-Nitrophenol	mg/L	ND	0.0100	0.000143	09/25/23 12:51	
Pentachlorophenol	mg/L	ND	0.0100	0.000313	09/25/23 12:51	
Phenol	mg/L	ND	0.0100	0.00433	09/25/23 12:51	
2,4,5-Trichlorophenol	mg/L	ND	0.0100	0.000109	09/25/23 12:51	
2,4,6-Trichlorophenol	mg/L	ND	0.0100	0.000100	09/25/23 12:51	
2,3,4,6-Tetrachlorophenol	mg/L	ND	0.0100	0.000231	09/25/23 12:51	
1,2,4,5-Tetrachlorobenzene	mg/L	ND	0.0100	0.0000647	09/25/23 12:51	
2-Fluorophenol (S)	%	23.4	10.0-120		09/25/23 12:51	
Phenol-d5 (S)	%	12.3	10.0-120		09/25/23 12:51	
Nitrobenzene-d5 (S)	%	39.2	10.0-127		09/25/23 12:51	
2-Fluorobiphenyl (S)	%	44.3	10.0-130		09/25/23 12:51	
2,4,6-Tribromophenol (S)	%	49.7	10.0-155		09/25/23 12:51	
Terphenyl-d14 (S)	%	56.7	10.0-128		09/25/23 12:51	

METHOD BLANK: R3982013-2 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,3-Dinitrobenzene	mg/L	ND	0.0100	0.000359	10/04/23 17:58	
Dinoseb	mg/L	ND	0.0500	0.00801	10/04/23 17:58	

LABORATORY CONTROL SAMPLE & LCSD: R3979156-1 R3979156-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acenaphthene	mg/L	0.0500	0.0229	0.0297	45.8	59.4	41.0-120	25.9	22	R1
Acenaphthylene	mg/L	0.0500	0.0231	0.0298	46.2	59.6	43.0-120	25.3	22	R1
Anthracene	mg/L	0.0500	0.0267	0.0326	53.4	65.2	45.0-120	19.9	20	
Aniline	mg/L	0.0500	0.00683	0.0120	13.7	24.0	13.0-120	54.9	31	R1
Benzo(a)anthracene	mg/L	0.0500	0.0317	0.0324	63.4	64.8	47.0-120	2.18	20	
Benzo(b)fluoranthene	mg/L	0.0500	0.0337	0.0337	67.4	67.4	46.0-120	0.00	20	
Benzo(k)fluoranthene	mg/L	0.0500	0.0325	0.0330	65.0	66.0	46.0-120	1.53	21	
Benzo(a)pyrene	mg/L	0.0500	0.0285	0.0298	57.0	59.6	47.0-120	4.46	20	
bis(2-Chloroethyl) ether	mg/L	0.0500	0.0227	0.0263	45.4	52.6	23.0-120	14.7	33	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

LABORATORY CONTROL SAMPLE & LCSD: R3979156-1 R3979156-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Biphenyl (Diphenyl)	mg/L	0.0500	0.0213	0.0279	42.6	55.8	38.0-120	26.8	27	
2,2'-Oxybis(1-chloropropane)	mg/L	0.0500	0.0214	0.0266	42.8	53.2	28.0-120	21.7	31	
2-Chloronaphthalene	mg/L	0.0500	0.0204	0.0271	40.8	54.2	37.0-120	28.2	25	R1
Chrysene	mg/L	0.0500	0.0321	0.0324	64.2	64.8	48.0-120	0.930	20	
4-Chloroaniline	mg/L	0.0500	0.0186	0.0189	37.2	37.8	25.0-120	1.60	25	
Dibenz(a,h)anthracene	mg/L	0.0500	0.0286	0.0285	57.2	57.0	47.0-120	0.350	20	
Dibenzofuran	mg/L	0.0500	0.0231	0.0299	46.2	59.8	44.0-120	25.7	22	R1
1,2-Dichlorobenzene	mg/L	0.0500	0.0200	0.0262	40.0	52.4	20.0-120	26.8	34	
1,3-Dichlorobenzene	mg/L	0.0500	0.0185	0.0249	37.0	49.8	17.0-120	29.5	35	
1,4-Dichlorobenzene	mg/L	0.0500	0.0193	0.0256	38.6	51.2	18.0-120	28.1	34	
3,3'-Dichlorobenzidine	mg/L	0.100	0.0450	0.0592	45.0	59.2	44.0-120	27.3	20	R1
2,4-Dinitrotoluene	mg/L	0.0500	0.0326	0.0362	65.2	72.4	49.0-124	10.5	20	
2,6-Dinitrotoluene	mg/L	0.0500	0.0271	0.0320	54.2	64.0	46.0-120	16.6	21	
Fluoranthene	mg/L	0.0500	0.0296	0.0346	59.2	69.2	51.0-120	15.6	20	
Fluorene	mg/L	0.0500	0.0247	0.0309	49.4	61.8	47.0-120	22.3	20	R1
Hexachlorobenzene	mg/L	0.0500	0.0224	0.0265	44.8	53.0	44.0-120	16.8	20	
Hexachloro-1,3-butadiene	mg/L	0.0500	0.0143	0.0199	28.6	39.8	19.0-120	32.7	32	R1
Hexachlorocyclopentadiene	mg/L	0.0500	0.00972	0.0118	19.4	23.6	15.0-120	19.3	31	
Hexachloroethane	mg/L	0.0500	0.0178	0.0235	35.6	47.0	15.0-120	27.6	37	
Indeno(1,2,3-cd)pyrene	mg/L	0.0500	0.0264	0.0268	52.8	53.6	49.0-122	1.50	20	
Isophorone	mg/L	0.0500	0.0215	0.0258	43.0	51.6	36.0-120	18.2	23	
Naphthalene	mg/L	0.0500	0.0184	0.0233	36.8	46.6	27.0-120	23.5	27	
Nitrobenzene	mg/L	0.0500	0.0188	0.0222	37.6	44.4	27.0-120	16.6	29	
2-Methylnaphthalene	mg/L	0.0500	0.0200	0.0253	40.0	50.6	33.0-120	23.4	25	
2-Nitroaniline	mg/L	0.0500	0.0298	0.0323	59.6	64.6	43.0-120	8.05	22	
3-Nitroaniline	mg/L	0.0500	0.0308	0.0306	61.6	61.2	38.0-120	0.651	21	
4-Nitroaniline	mg/L	0.0500	0.0339	0.0351	67.8	70.2	18.0-160	3.48	21	
N-Nitrosodiphenylamine	mg/L	0.0500	0.0220	0.0304	44.0	60.8	47.0-120	32.1	20	L0,R1
N-Nitroso-di-n-propylamine	mg/L	0.0500	0.0237	0.0287	47.4	57.4	31.0-120	19.1	28	
Phenanthrene	mg/L	0.0500	0.0255	0.0318	51.0	63.6	46.0-120	22.0	20	R1
Butylbenzylphthalate	mg/L	0.0500	0.0292	0.0329	58.4	65.8	43.0-121	11.9	20	
bis(2-Ethylhexyl)phthalate	mg/L	0.0500	0.0313	0.0312	62.6	62.4	43.0-122	0.320	20	
Diethylphthalate	mg/L	0.0500	0.0298	0.0352	59.6	70.4	48.0-122	16.6	20	
Dimethylphthalate	mg/L	0.0500	0.0291	0.0335	58.2	67.0	48.0-120	14.1	20	
Di-n-octylphthalate	mg/L	0.0500	0.0323	0.0313	64.6	62.6	42.0-125	3.14	20	
Pyrene	mg/L	0.0500	0.0282	0.0322	56.4	64.4	47.0-120	13.2	20	
2-Chlorophenol	mg/L	0.0500	0.0181	0.0213	36.2	42.6	25.0-120	16.2	35	
2,4-Dichlorophenol	mg/L	0.0500	0.0192	0.0235	38.4	47.0	36.0-120	20.1	26	
2,4-Dimethylphenol	mg/L	0.0500	0.0222	0.0259	44.4	51.8	33.0-120	15.4	26	
2,4-Dinitrophenol	mg/L	0.0500	0.0278	0.0314	55.6	62.8	10.0-120	12.2	39	
4-Nitrophenol	mg/L	0.0500	0.0127	0.0146	25.4	29.2	10.0-120	13.9	33	
Pentachlorophenol	mg/L	0.0500	0.0208	0.0258	41.6	51.6	23.0-120	21.5	25	
Phenol	mg/L	0.0500	0.00920	0.00978	18.4	19.6	10.0-120	6.11	36	
2,4,5-Trichlorophenol	mg/L	0.0500	0.0230	0.0288	46.0	57.6	44.0-120	22.4	22	R1
2,4,6-Trichlorophenol	mg/L	0.0500	0.0218	0.0263	43.6	52.6	42.0-120	18.7	23	
2,3,4,6-Tetrachlorophenol	mg/L	0.0500	0.0257	0.0305	51.4	61.0	42.0-132	17.1	22	
1,2,4,5-Tetrachlorobenzene	mg/L	0.0500	0.0211	0.0279	42.2	55.8	31.0-121	27.8	27	R1

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

LABORATORY CONTROL SAMPLE & LCSD: R3979156-1 R3979156-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
2-Fluorophenol (S)	%				26.3	29.2	10.0-120			
Phenol-d5 (S)	%				17.7	17.1	10.0-120			
Nitrobenzene-d5 (S)	%				36.3	41.7	10.0-127			
2-Fluorobiphenyl (S)	%				39.8	51.6	10.0-130			
2,4,6-Tribromophenol (S)	%				52.0	62.5	10.0-155			
Terphenyl-d14 (S)	%				56.8	59.0	10.0-128			

LABORATORY CONTROL SAMPLE: R3982013-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/L	0.0500	0.0332	66.4	34.0-120	
Dinoseb	mg/L	0.0500	0.0320	64.0	39.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 2136501
QC Batch Method: 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20289938003, 20289938005, 20289938007, 20289938008

METHOD BLANK: R3977766-2 Matrix: Water
Associated Lab Samples: 20289938003, 20289938005, 20289938007, 20289938008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/L	ND	0.0000500	0.0000190	09/23/23 01:07	
Acenaphthene	mg/L	ND	0.0000500	0.0000190	09/23/23 01:07	
Acenaphthylene	mg/L	ND	0.0000500	0.0000170	09/23/23 01:07	
Benzo(a)anthracene	mg/L	ND	0.0000500	0.0000200	09/23/23 01:07	
Benzo(a)pyrene	mg/L	ND	0.0000500	0.0000180	09/23/23 01:07	
Benzo(b)fluoranthene	mg/L	ND	0.0000500	0.0000170	09/23/23 01:07	
Benzo(k)fluoranthene	mg/L	ND	0.000250	0.0000200	09/23/23 01:07	
Chrysene	mg/L	ND	0.0000500	0.0000180	09/23/23 01:07	
Dibenz(a,h)anthracene	mg/L	ND	0.0000500	0.0000180	09/23/23 01:07	
Fluoranthene	mg/L	ND	0.0000500	0.0000110	09/23/23 01:07	
Fluorene	mg/L	ND	0.0000500	0.0000170	09/23/23 01:07	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.0000500	0.0000180	09/23/23 01:07	
Naphthalene	mg/L	ND	0.000500	0.000128	09/23/23 01:07	
Phenanthrene	mg/L	ND	0.0000500	0.0000180	09/23/23 01:07	
Pyrene	mg/L	ND	0.0000500	0.0000170	09/23/23 01:07	
2-Methylnaphthalene	mg/L	ND	0.000500	0.0000280	09/23/23 01:07	
2-Chloronaphthalene	mg/L	ND	0.000500	0.0000120	09/23/23 01:07	
Nitrobenzene-d5 (S)	%	45.3	11.0-135		09/23/23 01:07	
2-Fluorobiphenyl (S)	%	58	32.0-120		09/23/23 01:07	
Terphenyl-d14 (S)	%	76	23.0-122		09/23/23 01:07	

LABORATORY CONTROL SAMPLE: R3977766-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/L	0.00200	0.00146	73.0	43.0-127	
Acenaphthene	mg/L	0.00200	0.00141	70.5	42.0-120	
Acenaphthylene	mg/L	0.00200	0.00142	71.0	43.0-120	
Benzo(a)anthracene	mg/L	0.00200	0.00174	87.0	46.0-120	
Benzo(a)pyrene	mg/L	0.00200	0.00150	75.0	44.0-122	
Benzo(b)fluoranthene	mg/L	0.00200	0.00154	77.0	43.0-122	
Benzo(k)fluoranthene	mg/L	0.00200	0.00158	79.0	39.0-128	
Chrysene	mg/L	0.00200	0.00180	90.0	42.0-129	
Dibenz(a,h)anthracene	mg/L	0.00200	0.00151	75.5	25.0-139	
Fluoranthene	mg/L	0.00200	0.00183	91.5	48.0-131	
Fluorene	mg/L	0.00200	0.00159	79.5	42.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.00200	0.00162	81.0	37.0-133	
Naphthalene	mg/L	0.00200	0.00118	59.0	30.0-120	
Phenanthrene	mg/L	0.00200	0.00156	78.0	42.0-120	
Pyrene	mg/L	0.00200	0.00180	90.0	38.0-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

LABORATORY CONTROL SAMPLE: R3977766-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/L	0.00200	0.00138	69.0	40.0-120	
2-Chloronaphthalene	mg/L	0.00200	0.00129	64.5	39.0-120	
Nitrobenzene-d5 (S)	%			55.5	11.0-135	
2-Fluorobiphenyl (S)	%			72.5	32.0-120	
Terphenyl-d14 (S)	%			79.5	23.0-122	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

QC Batch: 300668
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938007, 20289938008, 20289938009

METHOD BLANK: 1439596 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	0.00012	09/26/23 15:45	
1,1,1-Trichloroethane	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.00050	0.00024	09/26/23 15:45	
1,1,2-Trichloroethane	mg/L	ND	0.00050	0.00027	09/26/23 15:45	
1,1-Dichloroethane	mg/L	ND	0.00050	0.00021	09/26/23 15:45	
1,1-Dichloroethene	mg/L	ND	0.00050	0.00021	09/26/23 15:45	
1,2,4-Trichlorobenzene	mg/L	ND	0.0020	0.0011	09/26/23 15:45	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.00020	0.00010	09/26/23 15:45	
1,2-Dichloroethane	mg/L	ND	0.00050	0.00035	09/26/23 15:45	
1,2-Dichloropropane	mg/L	ND	0.00050	0.00015	09/26/23 15:45	
2-Butanone (MEK)	mg/L	ND	0.0020	0.00050	09/26/23 15:45	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0010	0.00064	09/26/23 15:45	
Acetone	mg/L	ND	0.0040	0.0020	09/26/23 15:45	
Benzene	mg/L	ND	0.00050	0.00016	09/26/23 15:45	
Bromodichloromethane	mg/L	ND	0.00050	0.00012	09/26/23 15:45	
Bromoform	mg/L	ND	0.0010	0.00058	09/26/23 15:45	
Bromomethane	mg/L	ND	0.00050	0.00025	09/26/23 15:45	
Carbon disulfide	mg/L	ND	0.0010	0.00038	09/26/23 15:45	
Carbon tetrachloride	mg/L	ND	0.00050	0.000078	09/26/23 15:45	
Chlorobenzene	mg/L	ND	0.00050	0.00014	09/26/23 15:45	
Chloroethane	mg/L	ND	0.00050	0.00047	09/26/23 15:45	
Chloroform	mg/L	ND	0.00050	0.00018	09/26/23 15:45	
Chloromethane	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	0.00035	09/26/23 15:45	
cis-1,3-Dichloropropene	mg/L	ND	0.00050	0.00018	09/26/23 15:45	
Dibromochloromethane	mg/L	ND	0.00050	0.00012	09/26/23 15:45	
Ethylbenzene	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
Isobutanol	mg/L	ND	0.050	0.010	09/26/23 15:45	
m&p-Xylene	mg/L	ND	0.0020	0.00024	09/26/23 15:45	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00016	09/26/23 15:45	
Methylene Chloride	mg/L	ND	0.00050	0.00050	09/26/23 15:45	
o-Xylene	mg/L	ND	0.0010	0.00015	09/26/23 15:45	
Styrene	mg/L	ND	0.0010	0.00014	09/26/23 15:45	
Tetrachloroethene	mg/L	ND	0.00050	0.00014	09/26/23 15:45	
Toluene	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
trans-1,2-Dichloroethene	mg/L	ND	0.00050	0.00022	09/26/23 15:45	
trans-1,3-Dichloropropene	mg/L	ND	0.00050	0.00026	09/26/23 15:45	
Trichloroethene	mg/L	ND	0.00050	0.00021	09/26/23 15:45	
Trichlorofluoromethane	mg/L	ND	0.0010	0.00058	09/26/23 15:45	
Vinyl chloride	mg/L	ND	0.00050	0.00016	09/26/23 15:45	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

METHOD BLANK: 1439596 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4-Bromofluorobenzene (S)	%.	99	68-124		09/26/23 15:45	
Dibromofluoromethane (S)	%.	104	72-126		09/26/23 15:45	
Toluene-d8 (S)	%.	103	79-119		09/26/23 15:45	

METHOD BLANK: 1440415 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	0.00012	09/27/23 11:26	
1,1,1-Trichloroethane	mg/L	ND	0.00050	0.00017	09/27/23 11:26	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.00050	0.00024	09/27/23 11:26	
1,1,2-Trichloroethane	mg/L	ND	0.00050	0.00027	09/27/23 11:26	
1,1-Dichloroethane	mg/L	ND	0.00050	0.00021	09/27/23 11:26	
1,1-Dichloroethene	mg/L	ND	0.00050	0.00021	09/27/23 11:26	
1,2,4-Trichlorobenzene	mg/L	ND	0.0020	0.0011	09/27/23 11:26	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.00020	0.00010	09/27/23 11:26	
1,2-Dichloroethane	mg/L	ND	0.00050	0.00035	09/27/23 11:26	
1,2-Dichloropropane	mg/L	ND	0.00050	0.00015	09/27/23 11:26	
2-Butanone (MEK)	mg/L	ND	0.0020	0.00050	09/27/23 11:26	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0010	0.00064	09/27/23 11:26	
Acetone	mg/L	ND	0.0040	0.0020	09/27/23 11:26	
Benzene	mg/L	ND	0.00050	0.00016	09/27/23 11:26	
Bromodichloromethane	mg/L	ND	0.00050	0.00012	09/27/23 11:26	
Bromoform	mg/L	ND	0.0010	0.00058	09/27/23 11:26	
Bromomethane	mg/L	ND	0.00050	0.00025	09/27/23 11:26	
Carbon disulfide	mg/L	ND	0.0010	0.00038	09/27/23 11:26	
Carbon tetrachloride	mg/L	ND	0.00050	0.000078	09/27/23 11:26	
Chlorobenzene	mg/L	ND	0.00050	0.00014	09/27/23 11:26	
Chloroethane	mg/L	ND	0.00050	0.00047	09/27/23 11:26	
Chloroform	mg/L	ND	0.00050	0.00018	09/27/23 11:26	
Chloromethane	mg/L	ND	0.00050	0.00017	09/27/23 11:26	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	0.00035	09/27/23 11:26	
cis-1,3-Dichloropropene	mg/L	ND	0.00050	0.00018	09/27/23 11:26	
Dibromochloromethane	mg/L	ND	0.00050	0.00012	09/27/23 11:26	
Ethylbenzene	mg/L	ND	0.00050	0.00017	09/27/23 11:26	
Isobutanol	mg/L	ND	0.050	0.010	09/27/23 11:26	
m&p-Xylene	mg/L	ND	0.0020	0.00024	09/27/23 11:26	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00016	09/27/23 11:26	
Methylene Chloride	mg/L	ND	0.00050	0.00050	09/27/23 11:26	
o-Xylene	mg/L	ND	0.0010	0.00015	09/27/23 11:26	
Styrene	mg/L	ND	0.0010	0.00014	09/27/23 11:26	
Tetrachloroethene	mg/L	ND	0.00050	0.00014	09/27/23 11:26	
Toluene	mg/L	ND	0.00050	0.00017	09/27/23 11:26	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

METHOD BLANK: 1440415 Matrix: Water
Associated Lab Samples: 20289938001, 20289938002, 20289938004, 20289938006, 20289938007, 20289938008, 20289938009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	mg/L	ND	0.00050	0.00022	09/27/23 11:26	
trans-1,3-Dichloropropene	mg/L	ND	0.00050	0.00026	09/27/23 11:26	
Trichloroethene	mg/L	ND	0.00050	0.00021	09/27/23 11:26	
Trichlorofluoromethane	mg/L	ND	0.0010	0.00058	09/27/23 11:26	
Vinyl chloride	mg/L	ND	0.00050	0.00016	09/27/23 11:26	
4-Bromofluorobenzene (S)	%.	101	68-124		09/27/23 11:26	
Dibromofluoromethane (S)	%.	99	72-126		09/27/23 11:26	
Toluene-d8 (S)	%.	99	79-119		09/27/23 11:26	

LABORATORY CONTROL SAMPLE: 1439597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	0.05	0.048	96	66-134	
1,1,1-Trichloroethane	mg/L	0.05	0.053	106	62-131	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.038	76	15-179	
1,1,2-Trichloroethane	mg/L	0.05	0.043	85	58-144	
1,1-Dichloroethane	mg/L	0.05	0.051	102	63-129	
1,1-Dichloroethene	mg/L	0.05	0.052	104	51-139	
1,2,4-Trichlorobenzene	mg/L	0.05	0.048	96	50-135	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.042	85	21-160	
1,2-Dichloroethane	mg/L	0.05	0.048	97	57-148	
1,2-Dichloropropane	mg/L	0.05	0.050	100	66-128	
2-Butanone (MEK)	mg/L	0.05	0.051	103	32-183	
4-Methyl-2-pentanone (MIBK)	mg/L	0.05	0.041	82	26-171	
Acetone	mg/L	0.05	0.051	103	22-165	
Benzene	mg/L	0.05	0.051	101	62-131	
Bromodichloromethane	mg/L	0.05	0.051	102	69-132	
Bromoform	mg/L	0.05	0.048	95	35-166	
Bromomethane	mg/L	0.05	0.052	104	34-158	
Carbon disulfide	mg/L	0.05	0.055	110	31-128	
Carbon tetrachloride	mg/L	0.05	0.052	103	54-144	
Chlorobenzene	mg/L	0.05	0.046	92	70-127	
Chloroethane	mg/L	0.05	0.055	110	17-195	
Chloroform	mg/L	0.05	0.050	100	73-134	
Chloromethane	mg/L	0.05	0.050	101	17-153	
cis-1,2-Dichloroethene	mg/L	0.05	0.052	103	68-129	
cis-1,3-Dichloropropene	mg/L	0.05	0.051	102	72-138	
Dibromochloromethane	mg/L	0.05	0.045	90	49-146	
Ethylbenzene	mg/L	0.05	0.047	93	66-126	
m&p-Xylene	mg/L	0.1	0.095	95	65-129	
Methyl-tert-butyl ether	mg/L	0.05	0.047	95	37-166	
Methylene Chloride	mg/L	0.05	0.054	109	46-168	
o-Xylene	mg/L	0.05	0.045	91	65-124	
Styrene	mg/L	0.05	0.048	96	72-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

LABORATORY CONTROL SAMPLE: 1439597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/L	0.05	0.043	86	46-157	
Toluene	mg/L	0.05	0.047	95	69-126	
trans-1,2-Dichloroethene	mg/L	0.05	0.055	109	60-129	
trans-1,3-Dichloropropene	mg/L	0.05	0.046	92	59-149	
Trichloroethene	mg/L	0.05	0.049	97	67-132	
Trichlorofluoromethane	mg/L	0.05	0.054	108	39-171	
Vinyl chloride	mg/L	0.05	0.061	122	27-149	
4-Bromofluorobenzene (S)	%.			97	68-124	
Dibromofluoromethane (S)	%.			102	72-126	
Toluene-d8 (S)	%.			102	79-119	

LABORATORY CONTROL SAMPLE: 1440416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	0.05	0.048	95	66-134	
1,1,1-Trichloroethane	mg/L	0.05	0.053	107	62-131	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.038	75	15-179	
1,1,2-Trichloroethane	mg/L	0.05	0.043	86	58-144	
1,1-Dichloroethane	mg/L	0.05	0.050	100	63-129	
1,1-Dichloroethene	mg/L	0.05	0.051	103	51-139	
1,2,4-Trichlorobenzene	mg/L	0.05	0.048	97	50-135	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.045	91	21-160	
1,2-Dichloroethane	mg/L	0.05	0.049	98	57-148	
1,2-Dichloropropane	mg/L	0.05	0.049	99	66-128	
2-Butanone (MEK)	mg/L	0.05	0.055	110	32-183	
4-Methyl-2-pentanone (MIBK)	mg/L	0.05	0.042	83	26-171	
Acetone	mg/L	0.05	0.052	104	22-165	
Benzene	mg/L	0.05	0.050	100	62-131	
Bromodichloromethane	mg/L	0.05	0.051	103	69-132	
Bromoform	mg/L	0.05	0.050	99	35-166	
Bromomethane	mg/L	0.05	0.055	109	34-158	
Carbon disulfide	mg/L	0.05	0.053	106	31-128	
Carbon tetrachloride	mg/L	0.05	0.052	105	54-144	
Chlorobenzene	mg/L	0.05	0.046	92	70-127	
Chloroethane	mg/L	0.05	0.056	111	17-195	
Chloroform	mg/L	0.05	0.052	103	73-134	
Chloromethane	mg/L	0.05	0.052	104	17-153	
cis-1,2-Dichloroethene	mg/L	0.05	0.052	104	68-129	
cis-1,3-Dichloropropene	mg/L	0.05	0.051	102	72-138	
Dibromochloromethane	mg/L	0.05	0.045	90	49-146	
Ethylbenzene	mg/L	0.05	0.045	91	66-126	
m&p-Xylene	mg/L	0.1	0.093	93	65-129	
Methyl-tert-butyl ether	mg/L	0.05	0.050	100	37-166	
Methylene Chloride	mg/L	0.05	0.055	111	46-168	
o-Xylene	mg/L	0.05	0.045	90	65-124	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

LABORATORY CONTROL SAMPLE: 1440416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	mg/L	0.05	0.046	92	72-133	
Tetrachloroethene	mg/L	0.05	0.042	83	46-157	
Toluene	mg/L	0.05	0.048	96	69-126	
trans-1,2-Dichloroethene	mg/L	0.05	0.055	110	60-129	
trans-1,3-Dichloropropene	mg/L	0.05	0.045	90	59-149	
Trichloroethene	mg/L	0.05	0.049	97	67-132	
Trichlorofluoromethane	mg/L	0.05	0.055	111	39-171	
Vinyl chloride	mg/L	0.05	0.065	129	27-149	
4-Bromofluorobenzene (S)	%.			97	68-124	
Dibromofluoromethane (S)	%.			104	72-126	
Toluene-d8 (S)	%.			103	79-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439598 1439599

Parameter	Units	20289587005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/L	ND	0.05	0.05	0.049	0.050	99	99	66-136	0	20	
1,1,1-Trichloroethane	mg/L	ND	0.05	0.05	0.056	0.057	111	114	54-137	2	20	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.05	0.05	0.042	0.042	84	85	15-187	1	20	
1,1,2-Trichloroethane	mg/L	ND	0.05	0.05	0.045	0.046	91	92	59-148	2	20	
1,1-Dichloroethane	mg/L	ND	0.05	0.05	0.052	0.054	104	107	59-133	3	20	
1,1-Dichloroethene	mg/L	ND	0.05	0.05	0.054	0.056	109	112	44-146	3	20	
1,2,4-Trichlorobenzene	mg/L	ND	0.05	0.05	0.051	0.052	102	104	39-153	2	20	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.05	0.05	0.049	0.049	98	97	23-166	1	20	
1,2-Dichloroethane	mg/L	ND	0.05	0.05	0.051	0.051	101	102	56-154	0	20	
1,2-Dichloropropane	mg/L	ND	0.05	0.05	0.053	0.052	107	105	62-135	2	20	
2-Butanone (MEK)	mg/L	ND	0.05	0.05	0.057	0.057	114	114	20-205	1	20	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.05	0.05	0.046	0.047	92	93	23-184	1	20	
Acetone	mg/L	ND	0.05	0.05	0.057	0.056	114	112	11-217	2	20	
Benzene	mg/L	ND	0.05	0.05	0.052	0.052	104	105	52-141	0	20	
Bromodichloromethane	mg/L	ND	0.05	0.05	0.055	0.055	111	111	70-134	0	20	
Bromoform	mg/L	ND	0.05	0.05	0.052	0.054	105	107	37-171	3	20	
Bromomethane	mg/L	ND	0.05	0.05	0.056	0.054	112	107	34-155	4	20	
Carbon disulfide	mg/L	ND	0.05	0.05	0.059	0.058	119	117	28-130	2	20	
Carbon tetrachloride	mg/L	ND	0.05	0.05	0.055	0.056	109	111	48-146	2	20	
Chlorobenzene	mg/L	ND	0.05	0.05	0.048	0.049	96	98	67-129	2	20	
Chloroethane	mg/L	ND	0.05	0.05	0.059	0.058	117	117	12-192	1	20	
Chloroform	mg/L	ND	0.05	0.05	0.053	0.053	105	106	66-143	0	20	
Chloromethane	mg/L	ND	0.05	0.05	0.055	0.055	110	110	14-155	0	20	
cis-1,2-Dichloroethene	mg/L	ND	0.05	0.05	0.053	0.054	106	109	56-141	3	20	
cis-1,3-Dichloropropene	mg/L	ND	0.05	0.05	0.052	0.055	105	110	70-139	5	20	
Dibromochloromethane	mg/L	ND	0.05	0.05	0.047	0.048	94	96	50-150	1	20	
Ethylbenzene	mg/L	ND	0.05	0.05	0.048	0.049	95	98	57-135	2	20	
m&p-Xylene	mg/L	ND	0.1	0.1	0.098	0.10	98	101	56-136	3	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439598 1439599

Parameter	Units	20289587005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methyl-tert-butyl ether	mg/L	ND	0.05	0.05	0.053	0.053	105	106	35-176	1	20	
Methylene Chloride	mg/L	ND	0.05	0.05	0.056	0.057	111	114	45-166	2	20	
o-Xylene	mg/L	ND	0.05	0.05	0.048	0.047	96	94	57-133	2	20	
Styrene	mg/L	ND	0.05	0.05	0.050	0.050	99	101	58-144	1	20	
Tetrachloroethene	mg/L	ND	0.05	0.05	0.045	0.045	90	90	48-143	1	20	
Toluene	mg/L	ND	0.05	0.05	0.051	0.053	103	105	59-136	2	20	
trans-1,2-Dichloroethene	mg/L	ND	0.05	0.05	0.056	0.058	112	116	57-132	4	20	
trans-1,3-Dichloropropene	mg/L	ND	0.05	0.05	0.046	0.048	92	96	59-154	4	20	
Trichloroethene	mg/L	ND	0.05	0.05	0.053	0.054	107	108	58-140	1	20	
Trichlorofluoromethane	mg/L	ND	0.05	0.05	0.059	0.058	117	115	24-175	2	20	
Vinyl chloride	mg/L	ND	0.05	0.05	0.067	0.068	134	135	21-150	1	20	
4-Bromofluorobenzene (S)	%.						95	95	68-124			
Dibromofluoromethane (S)	%.						100	101	72-126			
Toluene-d8 (S)	%.						101	102	79-119			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20289938

[1]

SAMPLE QUALIFIERS

Sample: 20289938001

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Sample: 20289938002

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Sample: 20289938003

[1] TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

Sample: 20289938004

[1] TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

Sample: 20289938006

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Sample: 20289938007

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Pace Analytical Services, LLC
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QUALIFIERS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

SAMPLE QUALIFIERS

Sample: 20289938008

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Sample: 20289938009

[1] TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
G7	An aliquot for analysis was taken from the original container received due to the level of sediment present in the sample. Rinsing of the original sample container for inclusion in the sample extraction was not performed.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
R1	RPD value was outside control limits.
SR	Surrogate recovery was below laboratory control limits. Results may be biased low.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289938001	**TW-1**	MA DEP/NJ DEP	2141530	EPH	2141530
20289938002	**TW-2**	MA DEP/NJ DEP	2141530	EPH	2141530
20289938003	**TW-3**	MA DEP/NJ DEP	2143105	EPH	2143105
20289938004	**TW-4**	MA DEP/NJ DEP	2143105	EPH	2143105
20289938005	**FB-4**	MA DEP/NJ DEP	2143105	EPH	2143105
20289938006	**TW-5**	MA DEP/NJ DEP	2143105	EPH	2143105
20289938007	**TW-6**	MA DEP/NJ DEP	2143105	EPH	2143105
20289938008	**TW-7**	MA DEP/NJ DEP	2143105	EPH	2143105
20289938009	**TW-8**	MA DEP/NJ DEP	2143105	EPH	2143105
20289938001	**TW-1**	MADEP VPH Mod	300537		
20289938002	**TW-2**	MADEP VPH Mod	300537		
20289938004	**TW-4**	MADEP VPH Mod	300537		
20289938006	**TW-5**	MADEP VPH Mod	300537		
20289938007	**TW-6**	MADEP VPH Mod	300537		
20289938008	**TW-7**	MADEP VPH Mod	300537		
20289938009	**TW-8**	MADEP VPH Mod	300537		
20289938001	**TW-1**	EPA 3010	300443	EPA 6020A	300557
20289938002	**TW-2**	EPA 3010	300443	EPA 6020A	300557
20289938003	**TW-3**	EPA 3010	300443	EPA 6020A	300557
20289938004	**TW-4**	EPA 3010	300443	EPA 6020A	300557
20289938005	**FB-4**	EPA 3010	300443	EPA 6020A	300557
20289938006	**TW-5**	EPA 3010	300443	EPA 6020A	300557
20289938007	**TW-6**	EPA 3010	300443	EPA 6020A	300557
20289938008	**TW-7**	EPA 3010	300443	EPA 6020A	300557
20289938009	**TW-8**	EPA 3010	300443	EPA 6020A	300557
20289938001	**TW-1**	EPA 7470	299868	EPA 7470	299958
20289938002	**TW-2**	EPA 7470	299868	EPA 7470	299958
20289938003	**TW-3**	EPA 7470	299868	EPA 7470	299958
20289938004	**TW-4**	EPA 7470	299868	EPA 7470	299958
20289938005	**FB-4**	EPA 7470	299868	EPA 7470	299958
20289938006	**TW-5**	EPA 7470	299868	EPA 7470	299958
20289938007	**TW-6**	EPA 7470	299868	EPA 7470	299958
20289938008	**TW-7**	EPA 7470	299868	EPA 7470	299958
20289938009	**TW-8**	EPA 7470	299868	EPA 7470	299958
20289938001	**TW-1**	3510C	2137311	EPA 8270E	2137311
20289938002	**TW-2**	3510C	2137311	EPA 8270E	2137311
20289938004	**TW-4**	3510C	2137311	EPA 8270E	2137311
20289938006	**TW-5**	3510C	2137311	EPA 8270E	2137311
20289938009	**TW-8**	3510C	2137311	EPA 8270E	2137311
20289938003	**TW-3**	3510C	2136501	EPA 8270E by SIM	2136501
20289938005	**FB-4**	3510C	2136501	EPA 8270E by SIM	2136501
20289938007	**TW-6**	3510C	2136501	EPA 8270E by SIM	2136501
20289938008	**TW-7**	3510C	2136501	EPA 8270E by SIM	2136501
20289938001	**TW-1**	EPA 5030B/8260	300668		
20289938002	**TW-2**	EPA 5030B/8260	300668		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20289938

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20289938004	**TW-4**	EPA 5030B/8260	300668		
20289938006	**TW-5**	EPA 5030B/8260	300668		
20289938007	**TW-6**	EPA 5030B/8260	300668		
20289938008	**TW-7**	EPA 5030B/8260	300668		
20289938009	**TW-8**	EPA 5030B/8260	300668		

Pace® Location Requested (City/State):

Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 20289938

20289938

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	
Project Name:	JM3-JM5 Parcels Waters	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Louisiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): 7 day
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	EPH	PAH SIM	RCRA Metals	RECAP Metals	RECAP SVOC	VOC/VPH	VOC
TW-1	W	G	9-18-23	9:15				1	4	X			X	X	X	
TW-2				10:07				1	4	X			X	X	X	
TW-3				10:59				1	4	X	X	X				
TW-4				12:07				1	4	X			X	X	X	
FB-4				12:17				1	4	X	X	X				
TW-5				12:48				1	4	X			X	X	X	
TW-6				13:46				1	7	X		X		X		X
TW-7				14:34				1	7	X		X		X		X
TW-8				15:31				1	4	X			X	X	X	

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Clay Ledet
Acct.Num / Client ID:
Table #:
Profile / Template: 8793/148
Prelog / Bottle Ord. ID: 1141079

Sample Comment

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Greg Pellerin
Signature:

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
2	12	N/A	5.8	5.8

Relinquished by/Company: (Signature)	Date/Time: 15:55 9-18-23	Received by/Company: (Signature) Greg Pellerin Pace	Date/Time: 9-19-23 1325
Relinquished by/Company: (Signature) Greg Pellerin Pace	Date/Time: 9-19-23 1405	Received by/Company: (Signature) Hannah Hurst Pace	Date/Time: 9/19/23 14:05
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number: 4.7 4.7

Delivered by: [ ] In-Person [✓] Courier
[ ] FedEX [ ] UPS [ ] Other

Pace

Sample Condition Up

WO# : 20289938

PM: CAL **Due Date: 09/27/23**

CLIENT: 20-TERRACONN

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date: MB 9/20/2023

Means of receipt: ☐ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No	☐ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 12 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C:	5.8	(Actual/True)
Cooler #2	Cooler Temp °C:	4.7	(Actual/True)
Cooler #3	Cooler Temp °C:		(Actual/True)
Cooler #4	Cooler Temp °C:		(Actual/True)

Samples on ice ☑ Yes ☐ No

pH Strip Lot # 209211

Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None

Tracking #:

☑ Yes	☐ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☐ Yes	☑ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☑ Yes	☐ No	☐ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☑ No	☐ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☑ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO3_____ H2SO4 _____ NaOH_____ Date: _____ Time:_____

Comments:

Pace Analytical Services, LLC
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(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

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CERTIFICATIONS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE SUMMARY

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20290112001	**TW-9**	Water	09/19/23 09:07	09/20/23 11:10
20290112002	**TW-10**	Water	09/19/23 09:35	09/20/23 11:10
20290112003	**TW-11**	Water	09/19/23 10:30	09/20/23 11:10
20290112004	**TW-12**	Water	09/19/23 11:16	09/20/23 11:10
20290112005	**TW-13**	Water	09/19/23 12:05	09/20/23 11:10
20290112006	**TW-14**	Water	09/19/23 12:57	09/20/23 11:10
20290112007	**RINSATE-1**	Water	09/19/23 13:35	09/20/23 11:10
20290112008	**TW-15**	Water	09/19/23 14:16	09/20/23 11:10
20290112009	**TW-16**	Water	09/19/23 14:58	09/20/23 11:10

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SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20290112001	**TW-9**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20290112002	**TW-10**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20290112003	**TW-11**	EPH	DMG	11	PAN
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20290112004	**TW-12**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20290112005	**TW-13**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20290112006	**TW-14**	EPH	DMG	11	PAN
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20290112007	**RINSATE-1**	EPH	DMG	11	PAN
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20290112008	**TW-15**	EPH	DMG	11	PAN

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20290112009	**TW-16**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Date: December 05, 2023

TW-9 (Lab ID: 20290112001)

- TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

TW-10 (Lab ID: 20290112002)

- TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

TW-11 (Lab ID: 20290112003)

- TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

MS (Lab ID: R3979387-1)

- Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

MSD (Lab ID: R3979387-2)

- Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
9 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- TW-10 (Lab ID: 20290112002)
- TW-11 (Lab ID: 20290112003)
- TW-12 (Lab ID: 20290112004)
- TW-13 (Lab ID: 20290112005)
- TW-14 (Lab ID: 20290112006)
- TW-15 (Lab ID: 20290112008)
- TW-9 (Lab ID: 20290112001)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2143105

B: Analyte was detected in the associated method blank.
- R3980776-1 (Lab ID: R3980776-1)
  - Aliphatic (>C16-C35)

QC Batch: 2144707

B: Analyte was detected in the associated method blank.
- R3982669-3 (Lab ID: R3982669-3)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
6 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 300278

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289651001

R1: RPD value was outside control limits.

- MSD (Lab ID: 1437818)
  - Aliphatic (>C08-C10)
  - Aliphatic (C06-C08)
  - Aromatic (>C08-C10)

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
9 samples were analyzed for EPA 6020A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 300164

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- TW-10 (Lab ID: 20290112002)
  - Beryllium
- TW-11 (Lab ID: 20290112003)
  - Chromium
- TW-9 (Lab ID: 20290112001)
  - Chromium

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

Analyte Comments:

QC Batch: 300443

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- TW-12 (Lab ID: 20290112004)
  - Beryllium
- TW-13 (Lab ID: 20290112005)
  - Beryllium
- TW-14 (Lab ID: 20290112006)
  - Chromium
- TW-15 (Lab ID: 20290112008)
  - Beryllium
- TW-16 (Lab ID: 20290112009)
  - Beryllium

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
9 samples were analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
5 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 2138352

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: R3979387-1)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d5 (S)
  - Terphenyl-d14 (S)
- MSD (Lab ID: R3979387-2)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d5 (S)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2138352

B: Analyte was detected in the associated method blank.

- R3978315-2 (Lab ID: R3978315-2)
  - 2-Methylnaphthalene
  - Acenaphthene

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

QC Batch: 2138352

B: Analyte was detected in the associated method blank.

- Fluoranthene
- Naphthalene
- Phenanthrene
- Pyrene

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2138352

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1658278-01

R1: RPD value was outside control limits.

- MSD (Lab ID: R3979387-2)
  - 2,6-Dinitrotoluene
  - Chrysene
  - Pentachlorophenol

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
4 samples were analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2138645

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1658612-04

R1: RPD value was outside control limits.

- MSD (Lab ID: R3979426-2)
  - 2-Chloronaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Chrysene
  - Fluoranthene
  - Fluorene
  - Naphthalene

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

QC Batch: 2138645

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1658612-04

R1: RPD value was outside control limits.

- Phenanthrene
- Pyrene

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Method: **EPA 5030B/8260**
Description: 8260 MSV Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
6 samples were analyzed for EPA 5030B/8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 300244

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289349001

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 1437709)
  - Carbon disulfide

R1: RPD value was outside control limits.

- MSD (Lab ID: 1437710)
  - Carbon disulfide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-9 **Lab ID: 20290112001** Collected: 09/19/23 09:07 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 18:54		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 18:54		G7,P4
Aliphatic (>C16-C35)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 18:54	TPHC16C35	G7,P4
Aromatic (>C10-C12)	ND	mg/L	0.158	0.0420		1.05	10/02/23 02:33	10/02/23 20:54		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 20:54		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 20:54		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 20:54		G7,P4
Surrogates										
o-Terphenyl (S)	55.6	%	40.0-140			1.05	10/02/23 02:33	10/02/23 20:54	84-15-1	
1-Chloro-octadecane (S)	31.8	%	40.0-140			1.05	10/02/23 02:33	10/02/23 18:54		SR
2-Fluorobiphenyl (S)	70.4	%	40.0-140			1.05	10/02/23 02:33	10/02/23 20:54	321-60-8	
2-Bromonaphthalene (S)	70.7	%	40.0-140			1.05	10/02/23 02:33	10/02/23 20:54	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 17:49		
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 17:49		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 17:49		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1		09/22/23 17:49	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.13**	mg/L	0.0020	0.00020	.01	2	09/22/23 08:05	09/26/23 21:00	7440-38-2	
Barium	**1.2**	mg/L	0.010	0.0064	2	10	09/22/23 08:05	09/27/23 14:53	7440-39-3	
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/22/23 08:05	09/26/23 21:00	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/22/23 08:05	09/26/23 21:00	7440-47-3	D3
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/22/23 08:05	09/26/23 21:00	7439-92-1	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/22/23 08:05	09/26/23 21:00	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/22/23 08:05	09/26/23 21:00	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:15	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/26/23 23:07	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/26/23 23:07	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:07	208-96-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-9 **Lab ID: 20290112001** Collected: 09/19/23 09:07 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/25/23 22:16	09/26/23 23:07	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:07	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:07	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/25/23 22:16	09/26/23 23:07	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:07	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:07	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/25/23 22:16	09/26/23 23:07	206-44-0	
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:07	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:07	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/25/23 22:16	09/26/23 23:07	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:07	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:07	129-00-0	
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/25/23 22:16	09/26/23 23:07	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/25/23 22:16	09/26/23 23:07	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	76.0	%	11.0-135			1	09/25/23 22:16	09/26/23 23:07	4165-60-0	
2-Fluorobiphenyl (S)	77.0	%	32.0-120			1	09/25/23 22:16	09/26/23 23:07	321-60-8	
Terphenyl-d14 (S)	65.0	%	23.0-122			1	09/25/23 22:16	09/26/23 23:07	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/22/23 17:46	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/22/23 17:46	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 17:46	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/22/23 17:46	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/22/23 17:46	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/22/23 17:46	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/22/23 17:46	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/22/23 17:46	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/22/23 17:46	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/22/23 17:46	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/22/23 17:46	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/22/23 17:46	74-87-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-9 **Lab ID: 20290112001** Collected: 09/19/23 09:07 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/22/23 17:46	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 17:46	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/22/23 17:46	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/22/23 17:46	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/22/23 17:46	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/22/23 17:46	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/22/23 17:46	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/22/23 17:46	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/22/23 17:46	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/22/23 17:46	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/22/23 17:46	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/22/23 17:46	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/22/23 17:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/22/23 17:46	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/22/23 17:46	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/22/23 17:46	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/22/23 17:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/22/23 17:46	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/22/23 17:46	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/22/23 17:46	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/22/23 17:46	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/22/23 17:46	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/22/23 17:46	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/22/23 17:46	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/22/23 17:46	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/22/23 17:46	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/22/23 17:46	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/22/23 17:46	95-47-6	
Surrogates										
Dibromofluoromethane (S)	103	%.	72-126			1		09/22/23 17:46	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	68-124			1		09/22/23 17:46	460-00-4	
Toluene-d8 (S)	104	%.	79-119			1		09/22/23 17:46	2037-26-5	

Sample: TW-10 **Lab ID: 20290112002** Collected: 09/19/23 09:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.168	0.0560		1.12	10/02/23 02:33	10/02/23 19:18		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.168	0.0560		1.12	10/02/23 02:33	10/02/23 19:18		G7,P4
Aliphatic (>C16-C35)	ND	mg/L	0.168	0.0560		1.12	10/02/23 02:33	10/02/23 19:18	TPHC16C35	G7,P4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-10 **Lab ID: 20290112002** Collected: 09/19/23 09:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aromatic (>C10-C12)	ND	mg/L	0.168	0.0448		1.12	10/02/23 02:33	10/02/23 20:30		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.168	0.0560		1.12	10/02/23 02:33	10/02/23 20:30		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.168	0.0560		1.12	10/02/23 02:33	10/02/23 20:30		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.168	0.0560		1.12	10/02/23 02:33	10/02/23 20:30		G7,P4
Surrogates										
o-Terphenyl (S)	50.6	%	40.0-140			1.12	10/02/23 02:33	10/02/23 20:30	84-15-1	
1-Chloro-octadecane (S)	25.2	%	40.0-140			1.12	10/02/23 02:33	10/02/23 19:18		SR
2-Fluorobiphenyl (S)	73.8	%	40.0-140			1.12	10/02/23 02:33	10/02/23 20:30	321-60-8	
2-Bromonaphthalene (S)	74.6	%	40.0-140			1.12	10/02/23 02:33	10/02/23 20:30	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 18:15		
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 18:15		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 18:15		
Surrogates										
4-Bromofluorobenzene (S)	98	%.	63-133			1		09/22/23 18:15	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/22/23 08:05	09/26/23 21:03	7440-36-0	
Arsenic	**0.059**	mg/L	0.0020	0.00020	.01	2	09/22/23 08:05	09/26/23 21:03	7440-38-2	
Barium	**0.79**	mg/L	0.0020	0.0013	2	2	09/22/23 08:05	09/26/23 21:03	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/22/23 08:05	09/26/23 21:03	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/22/23 08:05	09/26/23 21:03	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/22/23 08:05	09/26/23 21:03	7440-47-3	
Cobalt	ND	mg/L	0.0020	0.00024	.22	2	09/22/23 08:05	09/26/23 21:03	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/22/23 08:05	09/26/23 21:03	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/22/23 08:05	09/26/23 21:03	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/22/23 08:05	09/26/23 21:03	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/22/23 08:05	09/26/23 21:03	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/22/23 08:05	09/26/23 21:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/22/23 08:05	09/26/23 21:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/22/23 08:05	09/26/23 21:03	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/22/23 08:05	09/26/23 21:03	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:18	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-10 **Lab ID: 20290112002** Collected: 09/19/23 09:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	**0.000131J**	mg/L	0.00100	0.0000886		1	09/26/23 10:34	09/26/23 21:57	83-32-9	B,J
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/26/23 10:34	09/26/23 21:57	208-96-8	
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/26/23 10:34	09/26/23 21:57	120-12-7	
Aniline	ND	mg/L	0.0100	0.00165		1	09/26/23 10:34	09/26/23 21:57	62-53-3	
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/26/23 10:34	09/26/23 21:57	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 21:57	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/26/23 10:34	09/26/23 21:57	207-08-9	
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/26/23 10:34	09/26/23 21:57	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/26/23 10:34	09/26/23 21:57	111-44-4	
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/26/23 10:34	09/26/23 21:57	92-52-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/26/23 10:34	09/26/23 21:57	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/26/23 10:34	09/26/23 21:57	91-58-7	
Chrysene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 21:57	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/26/23 10:34	09/26/23 21:57	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/26/23 10:34	09/26/23 21:57	53-70-3	
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/26/23 10:34	09/26/23 21:57	132-64-9	
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/26/23 10:34	09/26/23 21:57	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/26/23 10:34	09/26/23 21:57	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/26/23 10:34	09/26/23 21:57	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/26/23 10:34	09/26/23 21:57	91-94-1	
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/26/23 10:34	09/26/23 21:57	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/26/23 10:34	09/26/23 21:57	606-20-2	
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/26/23 10:34	09/26/23 21:57	206-44-0	
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/26/23 10:34	09/26/23 21:57	86-73-7	
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/26/23 10:34	09/26/23 21:57	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/26/23 10:34	09/26/23 21:57	87-68-3	
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/26/23 10:34	09/26/23 21:57	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/26/23 10:34	09/26/23 21:57	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/26/23 10:34	09/26/23 21:57	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 21:57	78-59-1	
Naphthalene	**0.000910J**	mg/L	0.00100	0.000159		1	09/26/23 10:34	09/26/23 21:57	91-20-3	B,J
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/26/23 10:34	09/26/23 21:57	98-95-3	
2-Methylnaphthalene	**0.000460J**	mg/L	0.00100	0.000117		1	09/26/23 10:34	09/26/23 21:57	91-57-6	B,J
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 21:57	88-74-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-10 **Lab ID: 20290112002** Collected: 09/19/23 09:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/26/23 10:34	09/26/23 21:57	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/26/23 10:34	09/26/23 21:57	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/26/23 10:34	09/26/23 21:57	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/26/23 10:34	09/26/23 21:57	621-64-7	
Phenanthrene	ND	mg/L	0.00100	0.000112		1	09/26/23 10:34	09/26/23 21:57	85-01-8	
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/26/23 10:34	09/26/23 21:57	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/26/23 10:34	09/26/23 21:57	117-81-7	
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/26/23 10:34	09/26/23 21:57	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/26/23 10:34	09/26/23 21:57	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/26/23 10:34	09/26/23 21:57	117-84-0	
Pyrene	ND	mg/L	0.00100	0.000107		1	09/26/23 10:34	09/26/23 21:57	129-00-0	
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/26/23 10:34	09/26/23 21:57	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 21:57	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/26/23 10:34	09/26/23 21:57	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/26/23 10:34	09/26/23 21:57	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 21:57	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/26/23 10:34	09/26/23 21:57	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/26/23 10:34	09/26/23 21:57	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/26/23 10:34	09/26/23 21:57	95-95-4	
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/26/23 10:34	09/26/23 21:57	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/26/23 10:34	09/26/23 21:57	58-90-2	
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/26/23 10:34	09/26/23 21:57	95-94-3	
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/26/23 10:34	09/28/23 14:52	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/26/23 10:34	09/28/23 14:52	88-85-7	
Surrogates										
2-Fluorophenol (S)	44.3	%	10.0-120			1	09/26/23 10:34	09/26/23 21:57	367-12-4	
Phenol-d5 (S)	32.3	%	10.0-120			1	09/26/23 10:34	09/26/23 21:57	4165-62-2	
Nitrobenzene-d5 (S)	74.2	%	10.0-127			1	09/26/23 10:34	09/26/23 21:57	4165-60-0	
2-Fluorobiphenyl (S)	66.5	%	10.0-130			1	09/26/23 10:34	09/26/23 21:57	321-60-8	
2,4,6-Tribromophenol (S)	75.3	%	10.0-155			1	09/26/23 10:34	09/26/23 21:57	118-79-6	
Terphenyl-d14 (S)	78.2	%	10.0-128			1	09/26/23 10:34	09/26/23 21:57	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/22/23 18:05	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/22/23 18:05	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 18:05	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-10 **Lab ID: 20290112002** Collected: 09/19/23 09:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/22/23 18:05	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/22/23 18:05	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/22/23 18:05	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/22/23 18:05	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/22/23 18:05	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/22/23 18:05	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/22/23 18:05	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/22/23 18:05	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/22/23 18:05	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/22/23 18:05	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 18:05	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/22/23 18:05	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/22/23 18:05	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/22/23 18:05	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/22/23 18:05	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/22/23 18:05	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/22/23 18:05	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/22/23 18:05	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/22/23 18:05	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/22/23 18:05	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/22/23 18:05	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/22/23 18:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/22/23 18:05	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/22/23 18:05	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/22/23 18:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/22/23 18:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/22/23 18:05	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/22/23 18:05	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/22/23 18:05	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/22/23 18:05	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/22/23 18:05	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/22/23 18:05	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/22/23 18:05	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/22/23 18:05	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/22/23 18:05	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/22/23 18:05	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/22/23 18:05	95-47-6	
Surrogates										
Dibromofluoromethane (S)	101	%.	72-126			1		09/22/23 18:05	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	68-124			1		09/22/23 18:05	460-00-4	
Toluene-d8 (S)	102	%.	79-119			1		09/22/23 18:05	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-11 **Lab ID: 20290112003** Collected: 09/19/23 10:30 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 19:42		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 19:42		G7,P4
Aliphatic (>C16-C35)	**0.0543J**	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 19:42	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.158	0.0420		1.05	10/02/23 02:33	10/02/23 20:06		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 20:06		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 20:06		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.158	0.0525		1.05	10/02/23 02:33	10/02/23 20:06		G7,P4
Surrogates										
o-Terphenyl (S)	56.3	%	40.0-140			1.05	10/02/23 02:33	10/02/23 20:06	84-15-1	
1-Chloro-octadecane (S)	28.2	%	40.0-140			1.05	10/02/23 02:33	10/02/23 19:42		SR
2-Fluorobiphenyl (S)	70.3	%	40.0-140			1.05	10/02/23 02:33	10/02/23 20:06	321-60-8	
2-Bromonaphthalene (S)	70.9	%	40.0-140			1.05	10/02/23 02:33	10/02/23 20:06	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.078**	mg/L	0.0020	0.00020	.01	2	09/22/23 08:05	09/26/23 21:06	7440-38-2	
Barium	**0.80**	mg/L	0.0020	0.0013	2	2	09/22/23 08:05	09/26/23 21:06	7440-39-3	
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/22/23 08:05	09/26/23 21:06	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/22/23 08:05	09/26/23 21:06	7440-47-3	D3
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/22/23 08:05	09/26/23 21:06	7439-92-1	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/22/23 08:05	09/26/23 21:06	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/22/23 08:05	09/26/23 21:06	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:20	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/26/23 23:27	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/26/23 23:27	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:27	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/25/23 22:16	09/26/23 23:27	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:27	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:27	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/25/23 22:16	09/26/23 23:27	207-08-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-11 **Lab ID: 20290112003** Collected: 09/19/23 10:30 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:27	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:27	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/25/23 22:16	09/26/23 23:27	206-44-0	
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:27	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:27	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/25/23 22:16	09/26/23 23:27	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:27	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:27	129-00-0	
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/25/23 22:16	09/26/23 23:27	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/25/23 22:16	09/26/23 23:27	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	60.5	%	11.0-135			1	09/25/23 22:16	09/26/23 23:27	4165-60-0	
2-Fluorobiphenyl (S)	60.5	%	32.0-120			1	09/25/23 22:16	09/26/23 23:27	321-60-8	
Terphenyl-d14 (S)	46.2	%	23.0-122			1	09/25/23 22:16	09/26/23 23:27	1718-51-0	

Sample: TW-12 **Lab ID: 20290112004** Collected: 09/19/23 11:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:07		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:07		G7,P4
Aliphatic (>C16-C35)	**0.0637J**	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:07	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.152	0.0404		1.01	10/03/23 16:56	10/05/23 02:52		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 02:52		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 02:52		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 02:52		G7,P4
Surrogates										
o-Terphenyl (S)	59.4	%	40.0-140			1.01	10/03/23 16:56	10/05/23 02:52	84-15-1	
1-Chloro-octadecane (S)	66.6	%	40.0-140			1.01	10/03/23 16:56	10/05/23 13:07		
2-Fluorobiphenyl (S)	62.4	%	40.0-140			1.01	10/03/23 16:56	10/05/23 02:52	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-12 **Lab ID: 20290112004** Collected: 09/19/23 11:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Surrogates										
2-Bromonaphthalene (S)	60.9	%	40.0-140			1.01	10/03/23 16:56	10/05/23 02:52	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 18:41		
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 18:41		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 18:41		
Surrogates										
4-Bromofluorobenzene (S)	97	%.	63-133			1		09/22/23 18:41	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 15:15	7440-36-0	
Arsenic	**0.13**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 15:15	7440-38-2	
Barium	**0.26**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 15:15	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 15:15	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 15:15	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 15:15	7440-47-3	
Cobalt	**0.00026J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 15:15	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 15:15	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 15:15	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 15:15	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 15:15	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 15:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 15:15	7440-28-0	
Vanadium	**0.00067J**	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 15:15	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 15:15	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:22	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	**0.00144**	mg/L	0.00100	0.0000886		1	09/26/23 10:34	09/26/23 22:19	83-32-9	
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/26/23 10:34	09/26/23 22:19	208-96-8	
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/26/23 10:34	09/26/23 22:19	120-12-7	
Aniline	ND	mg/L	0.0100	0.00165		1	09/26/23 10:34	09/26/23 22:19	62-53-3	
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/26/23 10:34	09/26/23 22:19	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 22:19	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/26/23 10:34	09/26/23 22:19	207-08-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-12 **Lab ID: 20290112004** Collected: 09/19/23 11:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/26/23 10:34	09/26/23 22:19	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/26/23 10:34	09/26/23 22:19	111-44-4	
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/26/23 10:34	09/26/23 22:19	92-52-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/26/23 10:34	09/26/23 22:19	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/26/23 10:34	09/26/23 22:19	91-58-7	
Chrysene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 22:19	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/26/23 10:34	09/26/23 22:19	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/26/23 10:34	09/26/23 22:19	53-70-3	
Dibenzofuran	**0.000706J**	mg/L	0.0100	0.0000970		1	09/26/23 10:34	09/26/23 22:19	132-64-9	J
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/26/23 10:34	09/26/23 22:19	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/26/23 10:34	09/26/23 22:19	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/26/23 10:34	09/26/23 22:19	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/26/23 10:34	09/26/23 22:19	91-94-1	
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/26/23 10:34	09/26/23 22:19	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/26/23 10:34	09/26/23 22:19	606-20-2	
Fluoranthene	**0.000164J**	mg/L	0.00100	0.000102		1	09/26/23 10:34	09/26/23 22:19	206-44-0	B,J
Fluorene	**0.000332J**	mg/L	0.00100	0.0000844		1	09/26/23 10:34	09/26/23 22:19	86-73-7	J
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/26/23 10:34	09/26/23 22:19	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/26/23 10:34	09/26/23 22:19	87-68-3	
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/26/23 10:34	09/26/23 22:19	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/26/23 10:34	09/26/23 22:19	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/26/23 10:34	09/26/23 22:19	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 22:19	78-59-1	
Naphthalene	**0.00937**	mg/L	0.00100	0.000159		1	09/26/23 10:34	09/26/23 22:19	91-20-3	
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/26/23 10:34	09/26/23 22:19	98-95-3	
2-Methylnaphthalene	**0.00502**	mg/L	0.00100	0.000117		1	09/26/23 10:34	09/26/23 22:19	91-57-6	
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 22:19	88-74-4	
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/26/23 10:34	09/26/23 22:19	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/26/23 10:34	09/26/23 22:19	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/26/23 10:34	09/26/23 22:19	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/26/23 10:34	09/26/23 22:19	621-64-7	
Phenanthrene	**0.000421J**	mg/L	0.00100	0.000112		1	09/26/23 10:34	09/26/23 22:19	85-01-8	B,J
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/26/23 10:34	09/26/23 22:19	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/26/23 10:34	09/26/23 22:19	117-81-7	

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-12 **Lab ID: 20290112004** Collected: 09/19/23 11:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/26/23 10:34	09/26/23 22:19	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/26/23 10:34	09/26/23 22:19	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/26/23 10:34	09/26/23 22:19	117-84-0	
Pyrene	**0.000107J**	mg/L	0.00100	0.000107		1	09/26/23 10:34	09/26/23 22:19	129-00-0	J
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/26/23 10:34	09/26/23 22:19	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 22:19	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/26/23 10:34	09/26/23 22:19	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/26/23 10:34	09/26/23 22:19	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 22:19	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/26/23 10:34	09/26/23 22:19	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/26/23 10:34	09/26/23 22:19	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/26/23 10:34	09/26/23 22:19	95-95-4	
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/26/23 10:34	09/26/23 22:19	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/26/23 10:34	09/26/23 22:19	58-90-2	
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/26/23 10:34	09/26/23 22:19	95-94-3	
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/26/23 10:34	09/28/23 15:09	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/26/23 10:34	09/28/23 15:09	88-85-7	
Surrogates										
2-Fluorophenol (S)	25.5	%	10.0-120			1	09/26/23 10:34	09/26/23 22:19	367-12-4	
Phenol-d5 (S)	18.8	%	10.0-120			1	09/26/23 10:34	09/26/23 22:19	4165-62-2	
Nitrobenzene-d5 (S)	61.6	%	10.0-127			1	09/26/23 10:34	09/26/23 22:19	4165-60-0	
2-Fluorobiphenyl (S)	59.2	%	10.0-130			1	09/26/23 10:34	09/26/23 22:19	321-60-8	
2,4,6-Tribromophenol (S)	40.1	%	10.0-155			1	09/26/23 10:34	09/26/23 22:19	118-79-6	
Terphenyl-d14 (S)	53.5	%	10.0-128			1	09/26/23 10:34	09/26/23 22:19	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	**0.0076**	mg/L	0.0040	0.0020	.1	1		09/22/23 18:24	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/22/23 18:24	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 18:24	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/22/23 18:24	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/22/23 18:24	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/22/23 18:24	78-93-3	
Carbon disulfide	**0.0013**	mg/L	0.0010	0.00038	.1	1		09/22/23 18:24	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/22/23 18:24	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/22/23 18:24	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/22/23 18:24	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/22/23 18:24	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/22/23 18:24	74-87-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-12 **Lab ID: 20290112004** Collected: 09/19/23 11:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/22/23 18:24	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 18:24	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/22/23 18:24	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/22/23 18:24	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/22/23 18:24	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/22/23 18:24	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/22/23 18:24	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/22/23 18:24	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/22/23 18:24	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/22/23 18:24	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/22/23 18:24	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/22/23 18:24	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/22/23 18:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/22/23 18:24	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/22/23 18:24	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/22/23 18:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/22/23 18:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/22/23 18:24	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/22/23 18:24	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/22/23 18:24	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/22/23 18:24	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/22/23 18:24	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/22/23 18:24	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/22/23 18:24	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/22/23 18:24	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/22/23 18:24	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/22/23 18:24	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/22/23 18:24	95-47-6	
Surrogates										
Dibromofluoromethane (S)	102	%.	72-126			1		09/22/23 18:24	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	68-124			1		09/22/23 18:24	460-00-4	
Toluene-d8 (S)	102	%.	79-119			1		09/22/23 18:24	2037-26-5	

Sample: TW-13 **Lab ID: 20290112005** Collected: 09/19/23 12:05 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:29		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:29		G7,P4

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-13 **Lab ID: 20290112005** Collected: 09/19/23 12:05 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C16-C35)	**0.0705J**	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:29	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.152	0.0404		1.01	10/03/23 16:56	10/05/23 03:16		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 03:16		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 03:16		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 03:16		G7,P4
Surrogates										
o-Terphenyl (S)	52.2	%	40.0-140			1.01	10/03/23 16:56	10/05/23 03:16	84-15-1	
1-Chloro-octadecane (S)	60.9	%	40.0-140			1.01	10/03/23 16:56	10/05/23 13:29		
2-Fluorobiphenyl (S)	62.9	%	40.0-140			1.01	10/03/23 16:56	10/05/23 03:16	321-60-8	
2-Bromonaphthalene (S)	62.6	%	40.0-140			1.01	10/03/23 16:56	10/05/23 03:16	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 19:06		
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 19:06		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 19:06		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1		09/22/23 19:06	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 15:19	7440-36-0	
Arsenic	**0.078**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 15:19	7440-38-2	
Barium	**0.41**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 15:19	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 15:19	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 15:19	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 15:19	7440-47-3	
Cobalt	**0.00035J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 15:19	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 15:19	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 15:19	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 15:19	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 15:19	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 15:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 15:19	7440-28-0	
Vanadium	**0.00054J**	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 15:19	7440-62-2	
Zinc	**0.017J**	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 15:19	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:25	7439-97-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-13 **Lab ID: 20290112005** Collected: 09/19/23 12:05 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	**0.00749**	mg/L	0.00100	0.0000886		1	09/26/23 10:34	09/26/23 22:41	83-32-9	
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/26/23 10:34	09/26/23 22:41	208-96-8	
Anthracene	**0.000193J**	mg/L	0.00100	0.0000804		1	09/26/23 10:34	09/26/23 22:41	120-12-7	J
Aniline	ND	mg/L	0.0100	0.00165		1	09/26/23 10:34	09/26/23 22:41	62-53-3	
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/26/23 10:34	09/26/23 22:41	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 22:41	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/26/23 10:34	09/26/23 22:41	207-08-9	
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/26/23 10:34	09/26/23 22:41	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/26/23 10:34	09/26/23 22:41	111-44-4	
Biphenyl (Diphenyl)	**0.00318J**	mg/L	0.0100	0.000790		1	09/26/23 10:34	09/26/23 22:41	92-52-4	J
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/26/23 10:34	09/26/23 22:41	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/26/23 10:34	09/26/23 22:41	91-58-7	
Chrysene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 22:41	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/26/23 10:34	09/26/23 22:41	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/26/23 10:34	09/26/23 22:41	53-70-3	
Dibenzofuran	**0.00368J**	mg/L	0.0100	0.0000970		1	09/26/23 10:34	09/26/23 22:41	132-64-9	J
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/26/23 10:34	09/26/23 22:41	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/26/23 10:34	09/26/23 22:41	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/26/23 10:34	09/26/23 22:41	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/26/23 10:34	09/26/23 22:41	91-94-1	
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/26/23 10:34	09/26/23 22:41	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/26/23 10:34	09/26/23 22:41	606-20-2	
Fluoranthene	**0.000394J**	mg/L	0.00100	0.000102		1	09/26/23 10:34	09/26/23 22:41	206-44-0	B,J
Fluorene	**0.00167**	mg/L	0.00100	0.0000844		1	09/26/23 10:34	09/26/23 22:41	86-73-7	
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/26/23 10:34	09/26/23 22:41	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/26/23 10:34	09/26/23 22:41	87-68-3	
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/26/23 10:34	09/26/23 22:41	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/26/23 10:34	09/26/23 22:41	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/26/23 10:34	09/26/23 22:41	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 22:41	78-59-1	
Naphthalene	**0.0490**	mg/L	0.00100	0.000159		1	09/26/23 10:34	09/26/23 22:41	91-20-3	
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/26/23 10:34	09/26/23 22:41	98-95-3	
2-Methylnaphthalene	**0.0258**	mg/L	0.00100	0.000117		1	09/26/23 10:34	09/26/23 22:41	91-57-6	
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 22:41	88-74-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-13 **Lab ID: 20290112005** Collected: 09/19/23 12:05 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/26/23 10:34	09/26/23 22:41	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/26/23 10:34	09/26/23 22:41	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/26/23 10:34	09/26/23 22:41	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/26/23 10:34	09/26/23 22:41	621-64-7	
Phenanthrene	**0.00150**	mg/L	0.00100	0.000112		1	09/26/23 10:34	09/26/23 22:41	85-01-8	B
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/26/23 10:34	09/26/23 22:41	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/26/23 10:34	09/26/23 22:41	117-81-7	
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/26/23 10:34	09/26/23 22:41	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/26/23 10:34	09/26/23 22:41	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/26/23 10:34	09/26/23 22:41	117-84-0	
Pyrene	**0.000272J**	mg/L	0.00100	0.000107		1	09/26/23 10:34	09/26/23 22:41	129-00-0	B,J
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/26/23 10:34	09/26/23 22:41	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 22:41	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/26/23 10:34	09/26/23 22:41	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/26/23 10:34	09/26/23 22:41	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 22:41	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/26/23 10:34	09/26/23 22:41	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/26/23 10:34	09/26/23 22:41	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/26/23 10:34	09/26/23 22:41	95-95-4	
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/26/23 10:34	09/26/23 22:41	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/26/23 10:34	09/26/23 22:41	58-90-2	
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/26/23 10:34	09/26/23 22:41	95-94-3	
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/26/23 10:34	09/28/23 15:27	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/26/23 10:34	09/28/23 15:27	88-85-7	
Surrogates										
2-Fluorophenol (S)	50.3	%	10.0-120			1	09/26/23 10:34	09/26/23 22:41	367-12-4	
Phenol-d5 (S)	36.2	%	10.0-120			1	09/26/23 10:34	09/26/23 22:41	4165-62-2	
Nitrobenzene-d5 (S)	74.4	%	10.0-127			1	09/26/23 10:34	09/26/23 22:41	4165-60-0	
2-Fluorobiphenyl (S)	68.0	%	10.0-130			1	09/26/23 10:34	09/26/23 22:41	321-60-8	
2,4,6-Tribromophenol (S)	77.5	%	10.0-155			1	09/26/23 10:34	09/26/23 22:41	118-79-6	
Terphenyl-d14 (S)	85.2	%	10.0-128			1	09/26/23 10:34	09/26/23 22:41	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/22/23 18:43	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/22/23 18:43	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 18:43	75-27-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-13 **Lab ID: 20290112005** Collected: 09/19/23 12:05 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/22/23 18:43	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/22/23 18:43	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/22/23 18:43	78-93-3	
Carbon disulfide	**0.00053J**	mg/L	0.0010	0.00038	.1	1		09/22/23 18:43	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/22/23 18:43	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/22/23 18:43	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/22/23 18:43	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/22/23 18:43	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/22/23 18:43	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/22/23 18:43	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 18:43	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/22/23 18:43	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/22/23 18:43	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/22/23 18:43	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/22/23 18:43	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/22/23 18:43	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/22/23 18:43	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/22/23 18:43	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/22/23 18:43	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/22/23 18:43	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/22/23 18:43	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/22/23 18:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/22/23 18:43	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/22/23 18:43	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/22/23 18:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/22/23 18:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/22/23 18:43	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/22/23 18:43	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/22/23 18:43	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/22/23 18:43	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/22/23 18:43	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/22/23 18:43	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/22/23 18:43	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/22/23 18:43	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/22/23 18:43	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/22/23 18:43	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/22/23 18:43	95-47-6	
Surrogates										
Dibromofluoromethane (S)	101	%.	72-126			1		09/22/23 18:43	1868-53-7	
4-Bromofluorobenzene (S)	101	%.	68-124			1		09/22/23 18:43	460-00-4	
Toluene-d8 (S)	101	%.	79-119			1		09/22/23 18:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-14 **Lab ID: 20290112006** Collected: 09/19/23 12:57 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:51		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:51		G7,P4
Aliphatic (>C16-C35)	**0.0638J**	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 13:51	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.152	0.0404		1.01	10/03/23 16:56	10/05/23 03:40		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 03:40		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 03:40		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 03:40		G7,P4
Surrogates										
o-Terphenyl (S)	62.6	%	40.0-140			1.01	10/03/23 16:56	10/05/23 03:40	84-15-1	
1-Chloro-octadecane (S)	75.0	%	40.0-140			1.01	10/03/23 16:56	10/05/23 13:51		
2-Fluorobiphenyl (S)	68.1	%	40.0-140			1.01	10/03/23 16:56	10/05/23 03:40	321-60-8	
2-Bromonaphthalene (S)	66.6	%	40.0-140			1.01	10/03/23 16:56	10/05/23 03:40	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.023**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 15:22	7440-38-2	
Barium	**0.50**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 15:22	7440-39-3	
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 15:22	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 15:22	7440-47-3	D3
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 15:22	7439-92-1	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 15:22	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 15:22	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:27	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/26/23 23:46	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/26/23 23:46	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:46	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/25/23 22:16	09/26/23 23:46	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:46	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:46	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/25/23 22:16	09/26/23 23:46	207-08-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-14 **Lab ID: 20290112006** Collected: 09/19/23 12:57 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:46	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:46	53-70-3	
Fluoranthene	**0.0000117 J**	mg/L	0.0000500	0.0000110		1	09/25/23 22:16	09/26/23 23:46	206-44-0	J
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:46	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:46	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/25/23 22:16	09/26/23 23:46	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/26/23 23:46	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/26/23 23:46	129-00-0	
2-Methylnaphthalene	**0.0000375 J**	mg/L	0.000500	0.0000280		1	09/25/23 22:16	09/26/23 23:46	91-57-6	J
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/25/23 22:16	09/26/23 23:46	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	67.5	%	11.0-135			1	09/25/23 22:16	09/26/23 23:46	4165-60-0	
2-Fluorobiphenyl (S)	70.5	%	32.0-120			1	09/25/23 22:16	09/26/23 23:46	321-60-8	
Terphenyl-d14 (S)	59.5	%	23.0-122			1	09/25/23 22:16	09/26/23 23:46	1718-51-0	

Sample: RINSATE-1 **Lab ID: 20290112007** Collected: 09/19/23 13:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 14:14		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 14:14		
Aliphatic (>C16-C35)	**0.0577J**	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 14:14	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/03/23 16:56	10/05/23 04:04		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:04		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:04		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:04		
Surrogates										
o-Terphenyl (S)	50.7	%	40.0-140			1	10/03/23 16:56	10/05/23 04:04	84-15-1	
1-Chloro-octadecane (S)	59.8	%	40.0-140			1	10/03/23 16:56	10/05/23 14:14		
2-Fluorobiphenyl (S)	63.2	%	40.0-140			1	10/03/23 16:56	10/05/23 04:04	321-60-8	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: RINSATE-1 **Lab ID: 20290112007** Collected: 09/19/23 13:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Surrogates										
2-Bromonaphthalene (S)	62.5	%	40.0-140			1	10/03/23 16:56	10/05/23 04:04	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	ND	mg/L	0.0010	0.00010	.01	1	09/25/23 07:55	09/27/23 15:45	7440-38-2	
Barium	ND	mg/L	0.0010	0.00064	2	1	09/25/23 07:55	09/27/23 15:45	7440-39-3	
Cadmium	ND	mg/L	0.0010	0.00019	.005	1	09/25/23 07:55	09/27/23 15:45	7440-43-9	
Chromium	ND	mg/L	0.0010	0.00063	.1	1	09/25/23 07:55	09/27/23 15:45	7440-47-3	
Lead	ND	mg/L	0.0010	0.00069	.015	1	09/25/23 07:55	09/27/23 15:45	7439-92-1	
Selenium	ND	mg/L	0.0010	0.00026	.05	1	09/25/23 07:55	09/27/23 15:45	7782-49-2	
Silver	ND	mg/L	0.00050	0.00020	.018	1	09/25/23 07:55	09/27/23 15:45	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:30	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/27/23 00:06	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/27/23 00:06	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:06	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/25/23 22:16	09/27/23 00:06	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:06	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:06	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.0002500	0.0000200		1	09/25/23 22:16	09/27/23 00:06	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:06	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:06	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/25/23 22:16	09/27/23 00:06	206-44-0	
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:06	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/25/23 22:16	09/27/23 00:06	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:06	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:06	129-00-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: RINSATE-1 **Lab ID: 20290112007** Collected: 09/19/23 13:35 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
2-Methylnaphthalene	ND	mg/L	0.000500	0.000028		1	09/25/23 22:16	09/27/23 00:06	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.000012		1	09/25/23 22:16	09/27/23 00:06	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	55.5	%	11.0-135			1	09/25/23 22:16	09/27/23 00:06	4165-60-0	
2-Fluorobiphenyl (S)	63.0	%	32.0-120			1	09/25/23 22:16	09/27/23 00:06	321-60-8	
Terphenyl-d14 (S)	58.5	%	23.0-122			1	09/25/23 22:16	09/27/23 00:06	1718-51-0	

Sample: TW-15 **Lab ID: 20290112008** Collected: 09/19/23 14:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 15:01		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 15:01		G7,P4
Aliphatic (>C16-C35)	**0.0633J**	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 15:01	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/03/23 16:56	10/05/23 04:28		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:28		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:28		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:28		G7,P4
Surrogates										
o-Terphenyl (S)	64.0	%	40.0-140			1	10/03/23 16:56	10/05/23 04:28	84-15-1	
1-Chloro-octadecane (S)	74.5	%	40.0-140			1	10/03/23 16:56	10/05/23 15:01		
2-Fluorobiphenyl (S)	71.3	%	40.0-140			1	10/03/23 16:56	10/05/23 04:28	321-60-8	
2-Bromonaphthalene (S)	69.8	%	40.0-140			1	10/03/23 16:56	10/05/23 04:28	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 19:32		
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 19:32		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 19:32		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1		09/22/23 19:32	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 15:28	7440-36-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-15 **Lab ID: 20290112008** Collected: 09/19/23 14:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.036**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 15:28	7440-38-2	
Barium	**0.48**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 15:28	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 15:28	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 15:28	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 15:28	7440-47-3	
Cobalt	**0.0011J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 15:28	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 15:28	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 15:28	7439-92-1	
Nickel	**0.0020**	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 15:28	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 15:28	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 15:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 15:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 15:28	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 15:28	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:32	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	ND	mg/L	0.00100	0.0000886		1	09/26/23 10:34	09/26/23 23:02	83-32-9	
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/26/23 10:34	09/26/23 23:02	208-96-8	
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/26/23 10:34	09/26/23 23:02	120-12-7	
Aniline	ND	mg/L	0.0100	0.00165		1	09/26/23 10:34	09/26/23 23:02	62-53-3	
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/26/23 10:34	09/26/23 23:02	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 23:02	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/26/23 10:34	09/26/23 23:02	207-08-9	
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/26/23 10:34	09/26/23 23:02	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/26/23 10:34	09/26/23 23:02	111-44-4	
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/26/23 10:34	09/26/23 23:02	92-52-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/26/23 10:34	09/26/23 23:02	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/26/23 10:34	09/26/23 23:02	91-58-7	
Chrysene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 23:02	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/26/23 10:34	09/26/23 23:02	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/26/23 10:34	09/26/23 23:02	53-70-3	
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/26/23 10:34	09/26/23 23:02	132-64-9	
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/26/23 10:34	09/26/23 23:02	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-15 **Lab ID: 20290112008** Collected: 09/19/23 14:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/26/23 10:34	09/26/23 23:02	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/26/23 10:34	09/26/23 23:02	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/26/23 10:34	09/26/23 23:02	91-94-1	
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/26/23 10:34	09/26/23 23:02	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/26/23 10:34	09/26/23 23:02	606-20-2	
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/26/23 10:34	09/26/23 23:02	206-44-0	
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/26/23 10:34	09/26/23 23:02	86-73-7	
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/26/23 10:34	09/26/23 23:02	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/26/23 10:34	09/26/23 23:02	87-68-3	
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/26/23 10:34	09/26/23 23:02	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/26/23 10:34	09/26/23 23:02	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/26/23 10:34	09/26/23 23:02	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 23:02	78-59-1	
Naphthalene	**0.000411J**	mg/L	0.00100	0.000159		1	09/26/23 10:34	09/26/23 23:02	91-20-3	B,J
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/26/23 10:34	09/26/23 23:02	98-95-3	
2-Methylnaphthalene	**0.000216J**	mg/L	0.00100	0.000117		1	09/26/23 10:34	09/26/23 23:02	91-57-6	B,J
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 23:02	88-74-4	
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/26/23 10:34	09/26/23 23:02	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/26/23 10:34	09/26/23 23:02	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/26/23 10:34	09/26/23 23:02	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/26/23 10:34	09/26/23 23:02	621-64-7	
Phenanthrene	**0.000116J**	mg/L	0.00100	0.000112		1	09/26/23 10:34	09/26/23 23:02	85-01-8	B,J
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/26/23 10:34	09/26/23 23:02	85-68-7	
bis(2-Ethylhexyl)phthalate	**0.00199J**	mg/L	0.00300	0.000895		1	09/26/23 10:34	09/26/23 23:02	117-81-7	J
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/26/23 10:34	09/26/23 23:02	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/26/23 10:34	09/26/23 23:02	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/26/23 10:34	09/26/23 23:02	117-84-0	
Pyrene	ND	mg/L	0.00100	0.000107		1	09/26/23 10:34	09/26/23 23:02	129-00-0	
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/26/23 10:34	09/26/23 23:02	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 23:02	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/26/23 10:34	09/26/23 23:02	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/26/23 10:34	09/26/23 23:02	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 23:02	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/26/23 10:34	09/26/23 23:02	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/26/23 10:34	09/26/23 23:02	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/26/23 10:34	09/26/23 23:02	95-95-4	
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/26/23 10:34	09/26/23 23:02	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/26/23 10:34	09/26/23 23:02	58-90-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-15 **Lab ID: 20290112008** Collected: 09/19/23 14:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/26/23 10:34	09/26/23 23:02	95-94-3	
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/26/23 10:34	09/28/23 15:44	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/26/23 10:34	09/28/23 15:44	88-85-7	
Surrogates										
2-Fluorophenol (S)	29.6	%	10.0-120			1	09/26/23 10:34	09/26/23 23:02	367-12-4	
Phenol-d5 (S)	23.5	%	10.0-120			1	09/26/23 10:34	09/26/23 23:02	4165-62-2	
Nitrobenzene-d5 (S)	68.8	%	10.0-127			1	09/26/23 10:34	09/26/23 23:02	4165-60-0	
2-Fluorobiphenyl (S)	53.8	%	10.0-130			1	09/26/23 10:34	09/26/23 23:02	321-60-8	
2,4,6-Tribromophenol (S)	49.0	%	10.0-155			1	09/26/23 10:34	09/26/23 23:02	118-79-6	
Terphenyl-d14 (S)	52.5	%	10.0-128			1	09/26/23 10:34	09/26/23 23:02	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	**0.0053**	mg/L	0.0040	0.0020	.1	1		09/22/23 19:02	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/22/23 19:02	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 19:02	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/22/23 19:02	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/22/23 19:02	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/22/23 19:02	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/22/23 19:02	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/22/23 19:02	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/22/23 19:02	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/22/23 19:02	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/22/23 19:02	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/22/23 19:02	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/22/23 19:02	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 19:02	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/22/23 19:02	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/22/23 19:02	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/22/23 19:02	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/22/23 19:02	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/22/23 19:02	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/22/23 19:02	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/22/23 19:02	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/22/23 19:02	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/22/23 19:02	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/22/23 19:02	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/22/23 19:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/22/23 19:02	108-10-1	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-15 **Lab ID: 20290112008** Collected: 09/19/23 14:16 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/22/23 19:02	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/22/23 19:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/22/23 19:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/22/23 19:02	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/22/23 19:02	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/22/23 19:02	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/22/23 19:02	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/22/23 19:02	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/22/23 19:02	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/22/23 19:02	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/22/23 19:02	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/22/23 19:02	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/22/23 19:02	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/22/23 19:02	95-47-6	
Surrogates										
Dibromofluoromethane (S)	103	%.	72-126			1		09/22/23 19:02	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	68-124			1		09/22/23 19:02	460-00-4	
Toluene-d8 (S)	101	%.	79-119			1		09/22/23 19:02	2037-26-5	

Sample: TW-16 **Lab ID: 20290112009** Collected: 09/19/23 14:58 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 15:23		
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 15:23		
Aliphatic (>C16-C35)	**0.0566J**	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 15:23	TPHC16C35	B,J
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/03/23 16:56	10/05/23 04:53		
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:53		
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:53		
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 04:53		
Surrogates										
o-Terphenyl (S)	61.7	%	40.0-140			1	10/03/23 16:56	10/05/23 04:53	84-15-1	
1-Chloro-octadecane (S)	64.3	%	40.0-140			1	10/03/23 16:56	10/05/23 15:23		
2-Fluorobiphenyl (S)	72.5	%	40.0-140			1	10/03/23 16:56	10/05/23 04:53	321-60-8	
2-Bromonaphthalene (S)	71.3	%	40.0-140			1	10/03/23 16:56	10/05/23 04:53	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 19:58		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-16 **Lab ID: 20290112009** Collected: 09/19/23 14:58 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 19:58		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 19:58		
Surrogates										
4-Bromofluorobenzene (S)	99	%.	63-133			1		09/22/23 19:58	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 15:31	7440-36-0	
Arsenic	**0.013**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 15:31	7440-38-2	
Barium	**0.33**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 15:31	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 15:31	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 15:31	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 15:31	7440-47-3	
Cobalt	**0.0025**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 15:31	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 15:31	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 15:31	7439-92-1	
Nickel	**0.0053**	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 15:31	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 15:31	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 15:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 15:31	7440-28-0	
Vanadium	**0.0012J**	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 15:31	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 15:31	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:34	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	**0.000813J**	mg/L	0.00100	0.0000886		1	09/26/23 10:34	09/26/23 23:24	83-32-9	B,J
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/26/23 10:34	09/26/23 23:24	208-96-8	
Anthracene	**0.000116J**	mg/L	0.00100	0.0000804		1	09/26/23 10:34	09/26/23 23:24	120-12-7	J
Aniline	ND	mg/L	0.0100	0.00165		1	09/26/23 10:34	09/26/23 23:24	62-53-3	
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/26/23 10:34	09/26/23 23:24	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 23:24	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/26/23 10:34	09/26/23 23:24	207-08-9	
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/26/23 10:34	09/26/23 23:24	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/26/23 10:34	09/26/23 23:24	111-44-4	
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/26/23 10:34	09/26/23 23:24	92-52-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/26/23 10:34	09/26/23 23:24	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/26/23 10:34	09/26/23 23:24	91-58-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-16 **Lab ID: 20290112009** Collected: 09/19/23 14:58 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Chrysene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/26/23 23:24	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/26/23 10:34	09/26/23 23:24	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/26/23 10:34	09/26/23 23:24	53-70-3	
Dibenzofuran	**0.000468J**	mg/L	0.0100	0.0000970		1	09/26/23 10:34	09/26/23 23:24	132-64-9	J
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/26/23 10:34	09/26/23 23:24	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/26/23 10:34	09/26/23 23:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/26/23 10:34	09/26/23 23:24	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/26/23 10:34	09/26/23 23:24	91-94-1	
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/26/23 10:34	09/26/23 23:24	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/26/23 10:34	09/26/23 23:24	606-20-2	
Fluoranthene	**0.000571J**	mg/L	0.00100	0.000102		1	09/26/23 10:34	09/26/23 23:24	206-44-0	B,J
Fluorene	**0.000306J**	mg/L	0.00100	0.0000844		1	09/26/23 10:34	09/26/23 23:24	86-73-7	J
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/26/23 10:34	09/26/23 23:24	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/26/23 10:34	09/26/23 23:24	87-68-3	
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/26/23 10:34	09/26/23 23:24	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/26/23 10:34	09/26/23 23:24	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/26/23 10:34	09/26/23 23:24	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 23:24	78-59-1	
Naphthalene	**0.00530**	mg/L	0.00100	0.000159		1	09/26/23 10:34	09/26/23 23:24	91-20-3	
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/26/23 10:34	09/26/23 23:24	98-95-3	
2-Methylnaphthalene	**0.00247**	mg/L	0.00100	0.000117		1	09/26/23 10:34	09/26/23 23:24	91-57-6	
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 23:24	88-74-4	
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/26/23 10:34	09/26/23 23:24	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/26/23 10:34	09/26/23 23:24	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/26/23 10:34	09/26/23 23:24	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/26/23 10:34	09/26/23 23:24	621-64-7	
Phenanthrene	**0.000935J**	mg/L	0.00100	0.000112		1	09/26/23 10:34	09/26/23 23:24	85-01-8	B,J
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/26/23 10:34	09/26/23 23:24	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/26/23 10:34	09/26/23 23:24	117-81-7	
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/26/23 10:34	09/26/23 23:24	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/26/23 10:34	09/26/23 23:24	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/26/23 10:34	09/26/23 23:24	117-84-0	
Pyrene	**0.000409J**	mg/L	0.00100	0.000107		1	09/26/23 10:34	09/26/23 23:24	129-00-0	B,J
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/26/23 10:34	09/26/23 23:24	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/26/23 23:24	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/26/23 10:34	09/26/23 23:24	105-67-9	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-16 **Lab ID: 20290112009** Collected: 09/19/23 14:58 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/26/23 10:34	09/26/23 23:24	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/26/23 23:24	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/26/23 10:34	09/26/23 23:24	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/26/23 10:34	09/26/23 23:24	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/26/23 10:34	09/26/23 23:24	95-95-4	
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/26/23 10:34	09/26/23 23:24	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/26/23 10:34	09/26/23 23:24	58-90-2	
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/26/23 10:34	09/26/23 23:24	95-94-3	
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/26/23 10:34	09/28/23 16:02	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/26/23 10:34	09/28/23 16:02	88-85-7	
Surrogates										
2-Fluorophenol (S)	21.2	%	10.0-120			1	09/26/23 10:34	09/26/23 23:24	367-12-4	
Phenol-d5 (S)	14.7	%	10.0-120			1	09/26/23 10:34	09/26/23 23:24	4165-62-2	
Nitrobenzene-d5 (S)	34.9	%	10.0-127			1	09/26/23 10:34	09/26/23 23:24	4165-60-0	
2-Fluorobiphenyl (S)	28.2	%	10.0-130			1	09/26/23 10:34	09/26/23 23:24	321-60-8	
2,4,6-Tribromophenol (S)	32.8	%	10.0-155			1	09/26/23 10:34	09/26/23 23:24	118-79-6	
Terphenyl-d14 (S)	40.9	%	10.0-128			1	09/26/23 10:34	09/26/23 23:24	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/22/23 19:20	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/22/23 19:20	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 19:20	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/22/23 19:20	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/22/23 19:20	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/22/23 19:20	78-93-3	
Carbon disulfide	**0.00068J**	mg/L	0.0010	0.00038	.1	1		09/22/23 19:20	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/22/23 19:20	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/22/23 19:20	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/22/23 19:20	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/22/23 19:20	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/22/23 19:20	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/22/23 19:20	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/22/23 19:20	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/22/23 19:20	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/22/23 19:20	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/22/23 19:20	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/22/23 19:20	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/22/23 19:20	156-60-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Sample: TW-16 **Lab ID: 20290112009** Collected: 09/19/23 14:58 Received: 09/20/23 11:10 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/22/23 19:20	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/22/23 19:20	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/22/23 19:20	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/22/23 19:20	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/22/23 19:20	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/22/23 19:20	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/22/23 19:20	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/22/23 19:20	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/22/23 19:20	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/22/23 19:20	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/22/23 19:20	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/22/23 19:20	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/22/23 19:20	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/22/23 19:20	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/22/23 19:20	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/22/23 19:20	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/22/23 19:20	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/22/23 19:20	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/22/23 19:20	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/22/23 19:20	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/22/23 19:20	95-47-6	
Surrogates										
Dibromofluoromethane (S)	102	%.	72-126			1		09/22/23 19:20	1868-53-7	
4-Bromofluorobenzene (S)	96	%.	68-124			1		09/22/23 19:20	460-00-4	
Toluene-d8 (S)	104	%.	79-119			1		09/22/23 19:20	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 2143105 Analysis Method: EPH
QC Batch Method: MA DEP/NJ DEP Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20290112001, 20290112002, 20290112003

METHOD BLANK: R3980776-1 Matrix: Water
Associated Lab Samples: 20290112001, 20290112002, 20290112003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	10/02/23 13:38	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/02/23 13:38	
Aliphatic (>C16-C35)	mg/L	0.0500J	0.150	0.0500	10/02/23 13:38	J
1-Chloro-octadecane (S)	%	52.3	40.0-140		10/02/23 13:38	

METHOD BLANK: R3980776-4 Matrix: Water
Associated Lab Samples: 20290112001, 20290112002, 20290112003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	10/02/23 14:51	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/02/23 14:51	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	10/02/23 14:51	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	10/02/23 14:51	
o-Terphenyl (S)	%	63.9	40.0-140		10/02/23 14:51	
2-Fluorobiphenyl (S)	%	71.6	40.0-140		10/02/23 14:51	
2-Bromonaphthalene (S)	%	73.6	40.0-140		10/02/23 14:51	

LABORATORY CONTROL SAMPLE & LCSD: R3980776-2 R3980776-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0480	0.0520	48.0	52.0	40.0-140	8.00	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.120	0.120	60.0	60.0	40.0-140	0.00	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.510	0.550	64.0	69.0	40.0-140	7.60	50	
1-Chloro-octadecane (S)	%				48.8	51.4	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3980776-5 R3980776-6

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0520	0.0570	52.0	57.0	40.0-140	9.20	50	
Aromatic (>C12-C16)	mg/L	0.300	0.160	0.170	53.0	57.0	40.0-140	6.10	50	
Aromatic (>C16-C21)	mg/L	0.500	0.310	0.340	62.0	68.0	40.0-140	9.20	50	
Aromatic (>C21-C35)	mg/L	0.800	0.500	0.540	63.0	68.0	40.0-140	7.70	50	
o-Terphenyl (S)	%				60.9	65.3	40.0-140			
2-Fluorobiphenyl (S)	%				68.3	70.4	40.0-140			
2-Bromonaphthalene (S)	%				69.1	71.5	40.0-140			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 2144707 | Analysis Method: EPH
QC Batch Method: MA DEP/NJ DEP | Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20290112004, 20290112005, 20290112006, 20290112007, 20290112008, 20290112009

METHOD BLANK: R3982305-1 Matrix: Water
Associated Lab Samples: 20290112004, 20290112005, 20290112006, 20290112007, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	10/04/23 22:51	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/04/23 22:51	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	10/04/23 22:51	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	10/04/23 22:51	
o-Terphenyl (S)	%	50.5	40.0-140		10/04/23 22:51	
2-Fluorobiphenyl (S)	%	70.5	40.0-140		10/04/23 22:51	
2-Bromonaphthalene (S)	%	71.5	40.0-140		10/04/23 22:51	

METHOD BLANK: R3982669-3 Matrix: Water
Associated Lab Samples: 20290112004, 20290112005, 20290112006, 20290112007, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	10/05/23 12:44	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/05/23 12:44	
Aliphatic (>C16-C35)	mg/L	0.0720J	0.150	0.0500	10/05/23 12:44	J
1-Chloro-octadecane (S)	%	61.7	40.0-140		10/05/23 12:44	

LABORATORY CONTROL SAMPLE & LCSD: R3982305-2 R3982305-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0440	0.0520	44.0	52.0	40.0-140	17.0	50	
Aromatic (>C12-C16)	mg/L	0.300	0.130	0.160	43.0	53.0	40.0-140	21.0	50	
Aromatic (>C16-C21)	mg/L	0.500	0.290	0.330	58.0	66.0	40.0-140	13.0	50	
Aromatic (>C21-C35)	mg/L	0.800	0.470	0.530	59.0	66.0	40.0-140	12.0	50	
o-Terphenyl (S)	%				60.0	67.3	40.0-140			
2-Fluorobiphenyl (S)	%				72.8	74.8	40.0-140			
2-Bromonaphthalene (S)	%				71.8	74.5	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3982669-1 R3982669-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0440	0.0610	44.0	61.0	40.0-140	32.0	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.120	0.170	60.0	85.0	40.0-140	35.0	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.590	0.780	74.0	98.0	40.0-140	28.0	50	
1-Chloro-octadecane (S)	%				61.3	81.5	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3982305-4 R3982305-5

Parameter	Units	L1658612-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/L	ND	0.0990	0.0990	ND	0.0440	38.0	44.0	40.0-140	15.0	50	ML
Aromatic (>C12-C16)	mg/L	ND	0.300	0.300	0.120	0.130	40.0	44.0	40.0-140	8.00	50	
Aromatic (>C16-C21)	mg/L	ND	0.500	0.500	0.240	0.260	49.0	53.0	40.0-140	8.00	50	
Aromatic (>C21-C35)	mg/L	ND	0.790	0.790	0.370	0.390	47.0	49.0	40.0-140	5.30	50	
o-Terphenyl (S)	%						57.8	58.3	40.0-140			
2-Fluorobiphenyl (S)	%						68.9	74.7	40.0-140			
2-Bromonaphthalene (S)	%						67.4	74.5	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3982669-4 R3982669-5

Parameter	Units	L1658612-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/L	ND	0.0990	0.0990	ND	0.0530	39.0	54.0	40.0-140	30.0	50	ML
Aliphatic (>C12-C16)	mg/L	ND	0.200	0.200	0.110	0.140	56.0	71.0	40.0-140	24.0	50	
Aliphatic (>C16-C35)	mg/L	ND	0.790	0.790	0.510	0.600	64.0	76.0	40.0-140	16.0	50	
1-Chloro-octadecane (S)	%						59.3	68.7	40.0-140			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 300278
QC Batch Method: MADEP VPH Mod
Analysis Method: MADEP VPH Mod
Analysis Description: 8015WM VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290112001, 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

METHOD BLANK: 1437815 Matrix: Water
Associated Lab Samples: 20290112001, 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/L	ND	70.0	23.3	09/22/23 16:07	
Aliphatic (C06-C08)	ug/L	ND	85.0	18.6	09/22/23 16:07	
Aromatic (>C08-C10)	ug/L	ND	70.0	6.7	09/22/23 16:07	
4-Bromofluorobenzene (S)	%.	94	63-133		09/22/23 16:07	

LABORATORY CONTROL SAMPLE: 1437816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/L	280	270	96	72-127	
Aliphatic (C06-C08)	ug/L	280	282	101	77-144	
Aromatic (>C08-C10)	ug/L	280	278	99	78-134	
4-Bromofluorobenzene (S)	%.			97	63-133	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437817 1437818

Parameter	Units	20289651001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C08-C10)	ug/L	ND	280	280	231	322	80	113	10-171	33	20	R1
Aliphatic (C06-C08)	ug/L	ND	280	280	256	352	89	123	10-160	31	20	R1
Aromatic (>C08-C10)	ug/L	ND	280	280	240	334	86	119	10-160	33	20	R1
4-Bromofluorobenzene (S)	%.						102	100	63-133			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 300450
QC Batch Method: EPA 7470
Analysis Method: EPA 7470
Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290112001, 20290112002, 20290112003, 20290112004, 20290112005, 20290112006, 20290112007, 20290112008, 20290112009

METHOD BLANK: 1438758 Matrix: Water
Associated Lab Samples: 20290112001, 20290112002, 20290112003, 20290112004, 20290112005, 20290112006, 20290112007, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000064	09/25/23 13:56	

LABORATORY CONTROL SAMPLE: 1438759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.0011	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438772 1438773

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.001	0.001	0.0010	0.0010	104	102	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 300164
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290112001, 20290112002, 20290112003

METHOD BLANK: 1437269 Matrix: Water
Associated Lab Samples: 20290112001, 20290112002, 20290112003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0010	0.00034	09/26/23 15:24	
Arsenic	mg/L	ND	0.0010	0.00010	09/26/23 15:24	
Barium	mg/L	ND	0.0010	0.00064	09/26/23 15:24	
Beryllium	mg/L	ND	0.0010	0.00021	09/26/23 15:24	
Cadmium	mg/L	ND	0.0010	0.00019	09/26/23 15:24	
Chromium	mg/L	ND	0.0010	0.00063	09/26/23 15:24	
Cobalt	mg/L	ND	0.0010	0.00012	09/26/23 15:24	
Copper	mg/L	ND	0.0030	0.0017	09/26/23 15:24	
Lead	mg/L	ND	0.0010	0.00069	09/26/23 15:24	
Nickel	mg/L	ND	0.0010	0.00062	09/26/23 15:24	
Selenium	mg/L	ND	0.0010	0.00026	09/26/23 15:24	
Silver	mg/L	ND	0.00050	0.00020	09/26/23 15:24	
Thallium	mg/L	ND	0.00050	0.00011	09/26/23 15:24	
Vanadium	mg/L	ND	0.0050	0.00023	09/26/23 15:24	
Zinc	mg/L	ND	0.010	0.0072	09/26/23 15:24	

LABORATORY CONTROL SAMPLE: 1437270

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.06	0.060	100	85-115	
Arsenic	mg/L	0.06	0.062	103	85-115	
Barium	mg/L	0.06	0.059	99	85-115	
Beryllium	mg/L	0.06	0.064	107	84-115	
Cadmium	mg/L	0.06	0.060	100	85-115	
Chromium	mg/L	0.06	0.062	103	85-115	
Cobalt	mg/L	0.06	0.063	105	85-115	
Copper	mg/L	0.06	0.061	102	85-116	
Lead	mg/L	0.06	0.062	103	85-115	
Nickel	mg/L	0.06	0.062	104	85-115	
Selenium	mg/L	0.06	0.062	103	85-115	
Silver	mg/L	0.03	0.030	101	85-115	
Thallium	mg/L	0.03	0.030	99	85-115	
Vanadium	mg/L	0.06	0.060	99	85-115	
Zinc	mg/L	0.06	0.063	104	85-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437271 1437272

Parameter	Units	20289624026 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.06	0.06	0.059	0.060	99	99	80-120	0	20	
Arsenic	mg/L	0.0087	0.06	0.06	0.069	0.069	100	101	80-120	1	20	
Barium	mg/L	0.14	0.06	0.06	0.20	0.21	99	120	80-120	6	20	
Beryllium	mg/L	ND	0.06	0.06	0.061	0.061	101	102	80-120	0	20	
Cadmium	mg/L	0.0012J	0.06	0.06	0.057	0.057	92	93	80-120	0	20	
Chromium	mg/L	ND	0.06	0.06	0.057	0.057	95	95	80-120	0	20	
Cobalt	mg/L	0.00050J	0.06	0.06	0.059	0.058	97	96	80-120	1	20	
Copper	mg/L	ND	0.06	0.06	0.056	0.055	92	91	80-120	1	20	
Lead	mg/L	ND	0.06	0.06	0.061	0.061	102	102	80-120	0	20	
Nickel	mg/L	ND	0.06	0.06	0.057	0.057	94	94	80-120	0	20	
Selenium	mg/L	ND	0.06	0.06	0.061	0.062	101	103	80-120	2	20	
Silver	mg/L	ND	0.03	0.03	0.027	0.027	92	89	80-120	3	20	
Thallium	mg/L	ND	0.03	0.03	0.029	0.029	98	97	80-120	1	20	
Vanadium	mg/L	0.00065J	0.06	0.06	0.057	0.058	95	95	80-120	0	20	
Zinc	mg/L	ND	0.06	0.06	0.065	0.066	99	100	80-120	1	20	

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 300443
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290112004, 20290112005, 20290112006, 20290112007, 20290112008, 20290112009

METHOD BLANK: 1438728 Matrix: Water
Associated Lab Samples: 20290112004, 20290112005, 20290112006, 20290112007, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0010	0.00034	09/27/23 14:08	
Arsenic	mg/L	ND	0.0010	0.00010	09/27/23 14:08	
Barium	mg/L	ND	0.0010	0.00064	09/27/23 14:08	
Beryllium	mg/L	ND	0.0010	0.00021	09/27/23 14:08	
Cadmium	mg/L	ND	0.0010	0.00019	09/27/23 14:08	
Chromium	mg/L	ND	0.0010	0.00063	09/27/23 14:08	
Cobalt	mg/L	ND	0.0010	0.00012	09/27/23 14:08	
Copper	mg/L	ND	0.0030	0.0017	09/27/23 14:08	
Lead	mg/L	ND	0.0010	0.00069	09/27/23 14:08	
Nickel	mg/L	ND	0.0010	0.00062	09/27/23 14:08	
Selenium	mg/L	ND	0.0010	0.00026	09/27/23 14:08	
Silver	mg/L	ND	0.00050	0.00020	09/27/23 14:08	
Thallium	mg/L	ND	0.00050	0.00011	09/27/23 14:08	
Vanadium	mg/L	ND	0.0050	0.00023	09/27/23 14:08	
Zinc	mg/L	ND	0.010	0.0072	09/27/23 14:08	

LABORATORY CONTROL SAMPLE: 1438729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.06	0.058	97	85-115	
Arsenic	mg/L	0.06	0.059	98	85-115	
Barium	mg/L	0.06	0.057	95	85-115	
Beryllium	mg/L	0.06	0.063	106	84-115	
Cadmium	mg/L	0.06	0.055	91	85-115	
Chromium	mg/L	0.06	0.058	96	85-115	
Cobalt	mg/L	0.06	0.060	101	85-115	
Copper	mg/L	0.06	0.058	97	85-116	
Lead	mg/L	0.06	0.057	95	85-115	
Nickel	mg/L	0.06	0.060	101	85-115	
Selenium	mg/L	0.06	0.058	97	85-115	
Silver	mg/L	0.03	0.029	96	85-115	
Thallium	mg/L	0.03	0.029	95	85-115	
Vanadium	mg/L	0.06	0.058	97	85-115	
Zinc	mg/L	0.06	0.061	101	85-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438730 1438731

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.06	0.06	0.062	0.062	103	102	80-120	1	20	
Arsenic	mg/L	0.024	0.06	0.06	0.086	0.085	103	101	80-120	1	20	
Barium	mg/L	0.52	0.06	0.06	0.58	0.58	96	102	80-120	1	20	
Beryllium	mg/L	ND	0.06	0.06	0.067	0.066	111	109	80-120	2	20	
Cadmium	mg/L	ND	0.06	0.06	0.057	0.056	95	94	80-120	2	20	
Chromium	mg/L	ND	0.06	0.06	0.060	0.060	99	99	80-120	0	20	
Cobalt	mg/L	ND	0.06	0.06	0.062	0.061	103	102	80-120	1	20	
Copper	mg/L	ND	0.06	0.06	0.060	0.059	99	98	80-120	1	20	
Lead	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	0	20	
Nickel	mg/L	0.0018J	0.06	0.06	0.063	0.063	103	102	80-120	0	20	
Selenium	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	0	20	
Silver	mg/L	ND	0.03	0.03	0.029	0.029	98	98	80-120	0	20	
Thallium	mg/L	ND	0.03	0.03	0.031	0.030	102	100	80-120	2	20	
Vanadium	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	1	20	
Zinc	mg/L	ND	0.06	0.06	0.062	0.062	97	97	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 2138352
QC Batch Method: 3510C
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

METHOD BLANK: R3978315-2 Matrix: Water
Associated Lab Samples: 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/L	0.000142J	0.00100	0.0000886	09/26/23 18:28	J
Acenaphthylene	mg/L	ND	0.00100	0.0000921	09/26/23 18:28	
Anthracene	mg/L	ND	0.00100	0.0000804	09/26/23 18:28	
Aniline	mg/L	ND	0.0100	0.00165	09/26/23 18:28	
Benzo(a)anthracene	mg/L	ND	0.00100	0.000199	09/26/23 18:28	
Benzo(b)fluoranthene	mg/L	ND	0.00100	0.000130	09/26/23 18:28	
Benzo(k)fluoranthene	mg/L	ND	0.00100	0.000120	09/26/23 18:28	
Benzo(a)pyrene	mg/L	ND	0.00100	0.0000381	09/26/23 18:28	
bis(2-Chloroethyl) ether	mg/L	ND	0.0100	0.000137	09/26/23 18:28	
Biphenyl (Diphenyl)	mg/L	ND	0.0100	0.000790	09/26/23 18:28	
2,2'-Oxybis(1-chloropropane)	mg/L	ND	0.0100	0.000210	09/26/23 18:28	
2-Chloronaphthalene	mg/L	ND	0.00100	0.0000648	09/26/23 18:28	
Chrysene	mg/L	ND	0.00100	0.000130	09/26/23 18:28	
4-Chloroaniline	mg/L	ND	0.0100	0.000234	09/26/23 18:28	
Dibenz(a,h)anthracene	mg/L	ND	0.00100	0.0000644	09/26/23 18:28	
Dibenzofuran	mg/L	ND	0.0100	0.0000970	09/26/23 18:28	
1,2-Dichlorobenzene	mg/L	ND	0.0100	0.0000713	09/26/23 18:28	
1,3-Dichlorobenzene	mg/L	ND	0.0100	0.000132	09/26/23 18:28	
1,4-Dichlorobenzene	mg/L	ND	0.0100	0.0000942	09/26/23 18:28	
3,3'-Dichlorobenzidine	mg/L	ND	0.0100	0.000212	09/26/23 18:28	
2,4-Dinitrotoluene	mg/L	ND	0.0100	0.0000983	09/26/23 18:28	
2,6-Dinitrotoluene	mg/L	ND	0.0100	0.000250	09/26/23 18:28	
Fluoranthene	mg/L	0.000187J	0.00100	0.000102	09/26/23 18:28	J
Fluorene	mg/L	ND	0.00100	0.0000844	09/26/23 18:28	
Hexachlorobenzene	mg/L	ND	0.00100	0.0000755	09/26/23 18:28	
Hexachloro-1,3-butadiene	mg/L	ND	0.0100	0.0000968	09/26/23 18:28	
Hexachlorocyclopentadiene	mg/L	ND	0.0100	0.0000598	09/26/23 18:28	
Hexachloroethane	mg/L	ND	0.0100	0.000127	09/26/23 18:28	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.00100	0.000279	09/26/23 18:28	
Isophorone	mg/L	ND	0.0100	0.000143	09/26/23 18:28	
Naphthalene	mg/L	0.000387J	0.00100	0.000159	09/26/23 18:28	J
Nitrobenzene	mg/L	ND	0.0100	0.000297	09/26/23 18:28	
2-Methylnaphthalene	mg/L	0.000221J	0.00100	0.000117	09/26/23 18:28	J
2-Nitroaniline	mg/L	ND	0.0100	0.000102	09/26/23 18:28	
3-Nitroaniline	mg/L	ND	0.0100	0.0000869	09/26/23 18:28	
4-Nitroaniline	mg/L	ND	0.0100	0.0000910	09/26/23 18:28	
N-Nitrosodiphenylamine	mg/L	ND	0.0100	0.00237	09/26/23 18:28	
N-Nitroso-di-n-propylamine	mg/L	ND	0.0100	0.000261	09/26/23 18:28	
Phenanthrene	mg/L	0.000209J	0.00100	0.000112	09/26/23 18:28	J
Butylbenzylphthalate	mg/L	ND	0.00300	0.000765	09/26/23 18:28	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

METHOD BLANK: R3978315-2 Matrix: Water
Associated Lab Samples: 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	mg/L	ND	0.00300	0.000895	09/26/23 18:28	
Diethylphthalate	mg/L	ND	0.00300	0.000287	09/26/23 18:28	
Dimethylphthalate	mg/L	ND	0.00300	0.000260	09/26/23 18:28	
Di-n-octylphthalate	mg/L	ND	0.00300	0.000932	09/26/23 18:28	
Pyrene	mg/L	0.000110J	0.00100	0.000107	09/26/23 18:28	J
2-Chlorophenol	mg/L	ND	0.0100	0.000133	09/26/23 18:28	
2,4-Dichlorophenol	mg/L	ND	0.0100	0.000102	09/26/23 18:28	
2,4-Dimethylphenol	mg/L	ND	0.0100	0.0000636	09/26/23 18:28	
2,4-Dinitrophenol	mg/L	ND	0.0100	0.00593	09/26/23 18:28	
4-Nitrophenol	mg/L	ND	0.0100	0.000143	09/26/23 18:28	
Pentachlorophenol	mg/L	ND	0.0100	0.000313	09/26/23 18:28	
Phenol	mg/L	ND	0.0100	0.00433	09/26/23 18:28	
2,4,5-Trichlorophenol	mg/L	ND	0.0100	0.000109	09/26/23 18:28	
2,4,6-Trichlorophenol	mg/L	ND	0.0100	0.000100	09/26/23 18:28	
2,3,4,6-Tetrachlorophenol	mg/L	ND	0.0100	0.000231	09/26/23 18:28	
1,2,4,5-Tetrachlorobenzene	mg/L	ND	0.0100	0.0000647	09/26/23 18:28	
2-Fluorophenol (S)	%	28.3	10.0-120		09/26/23 18:28	
Phenol-d5 (S)	%	21.5	10.0-120		09/26/23 18:28	
Nitrobenzene-d5 (S)	%	55	10.0-127		09/26/23 18:28	
2-Fluorobiphenyl (S)	%	46.4	10.0-130		09/26/23 18:28	
2,4,6-Tribromophenol (S)	%	45.4	10.0-155		09/26/23 18:28	
Terphenyl-d14 (S)	%	65.1	10.0-128		09/26/23 18:28	

METHOD BLANK: R3979257-2 Matrix: Water
Associated Lab Samples: 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,3-Dinitrobenzene	mg/L	ND	0.0100	0.000359	09/28/23 08:33	
Dinoseb	mg/L	ND	0.0500	0.00801	09/28/23 08:33	

LABORATORY CONTROL SAMPLE: R3978315-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/L	0.0500	0.0505	101	41.0-120	
Acenaphthylene	mg/L	0.0500	0.0446	89.2	43.0-120	
Anthracene	mg/L	0.0500	0.0478	95.6	45.0-120	
Aniline	mg/L	0.0500	0.0224	44.8	13.0-120	
Benzo(a)anthracene	mg/L	0.0500	0.0484	96.8	47.0-120	
Benzo(b)fluoranthene	mg/L	0.0500	0.0470	94.0	46.0-120	
Benzo(k)fluoranthene	mg/L	0.0500	0.0451	90.2	46.0-120	
Benzo(a)pyrene	mg/L	0.0500	0.0467	93.4	47.0-120	
bis(2-Chloroethyl) ether	mg/L	0.0500	0.0513	103	23.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

LABORATORY CONTROL SAMPLE: R3978315-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Biphenyl (Diphenyl)	mg/L	0.0500	0.0477	95.4	38.0-120	
2,2'-Oxybis(1-chloropropane)	mg/L	0.0500	0.0437	87.4	28.0-120	
2-Chloronaphthalene	mg/L	0.0500	0.0399	79.8	37.0-120	
Chrysene	mg/L	0.0500	0.0470	94.0	48.0-120	
4-Chloroaniline	mg/L	0.0500	0.0308	61.6	25.0-120	
Dibenz(a,h)anthracene	mg/L	0.0500	0.0470	94.0	47.0-120	
Dibenzofuran	mg/L	0.0500	0.0474	94.8	44.0-120	
1,2-Dichlorobenzene	mg/L	0.0500	0.0370	74.0	20.0-120	
1,3-Dichlorobenzene	mg/L	0.0500	0.0367	73.4	17.0-120	
1,4-Dichlorobenzene	mg/L	0.0500	0.0372	74.4	18.0-120	
3,3'-Dichlorobenzidine	mg/L	0.100	0.0842	84.2	44.0-120	
2,4-Dinitrotoluene	mg/L	0.0500	0.0539	108	49.0-124	
2,6-Dinitrotoluene	mg/L	0.0500	0.0496	99.2	46.0-120	
Fluoranthene	mg/L	0.0500	0.0544	109	51.0-120	
Fluorene	mg/L	0.0500	0.0490	98.0	47.0-120	
Hexachlorobenzene	mg/L	0.0500	0.0444	88.8	44.0-120	
Hexachloro-1,3-butadiene	mg/L	0.0500	0.0289	57.8	19.0-120	
Hexachlorocyclopentadiene	mg/L	0.0500	0.0252	50.4	15.0-120	
Hexachloroethane	mg/L	0.0500	0.0378	75.6	15.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.0500	0.0424	84.8	49.0-122	
Isophorone	mg/L	0.0500	0.0414	82.8	36.0-120	
Naphthalene	mg/L	0.0500	0.0416	83.2	27.0-120	
Nitrobenzene	mg/L	0.0500	0.0383	76.6	27.0-120	
2-Methylnaphthalene	mg/L	0.0500	0.0418	83.6	33.0-120	
2-Nitroaniline	mg/L	0.0500	0.0550	110	43.0-120	
3-Nitroaniline	mg/L	0.0500	0.0467	93.4	38.0-120	
4-Nitroaniline	mg/L	0.0500	0.0500	100	18.0-160	
N-Nitrosodiphenylamine	mg/L	0.0500	0.0460	92.0	47.0-120	
N-Nitroso-di-n-propylamine	mg/L	0.0500	0.0507	101	31.0-120	
Phenanthrene	mg/L	0.0500	0.0547	109	46.0-120	
Butylbenzylphthalate	mg/L	0.0500	0.0547	109	43.0-121	
bis(2-Ethylhexyl)phthalate	mg/L	0.0500	0.0502	100	43.0-122	
Diethylphthalate	mg/L	0.0500	0.0528	106	48.0-122	
Dimethylphthalate	mg/L	0.0500	0.0491	98.2	48.0-120	
Di-n-octylphthalate	mg/L	0.0500	0.0518	104	42.0-125	
Pyrene	mg/L	0.0500	0.0486	97.2	47.0-120	
2-Chlorophenol	mg/L	0.0500	0.0377	75.4	25.0-120	
2,4-Dichlorophenol	mg/L	0.0500	0.0341	68.2	36.0-120	
2,4-Dimethylphenol	mg/L	0.0500	0.0405	81.0	33.0-120	
2,4-Dinitrophenol	mg/L	0.0500	0.0553	111	10.0-120	
4-Nitrophenol	mg/L	0.0500	0.0219	43.8	10.0-120	
Pentachlorophenol	mg/L	0.0500	0.0376	75.2	23.0-120	
Phenol	mg/L	0.0500	0.0199	39.8	10.0-120	
2,4,5-Trichlorophenol	mg/L	0.0500	0.0460	92.0	44.0-120	
2,4,6-Trichlorophenol	mg/L	0.0500	0.0427	85.4	42.0-120	
2,3,4,6-Tetrachlorophenol	mg/L	0.0500	0.0488	97.6	42.0-132	
1,2,4,5-Tetrachlorobenzene	mg/L	0.0500	0.0388	77.6	31.0-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

LABORATORY CONTROL SAMPLE: R3978315-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorophenol (S)	%			51.0	10.0-120	
Phenol-d5 (S)	%			36.6	10.0-120	
Nitrobenzene-d5 (S)	%			79.7	10.0-127	
2-Fluorobiphenyl (S)	%			84.2	10.0-130	
2,4,6-Tribromophenol (S)	%			85.0	10.0-155	
Terphenyl-d14 (S)	%			91.9	10.0-128	

LABORATORY CONTROL SAMPLE: R3979257-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/L	0.0500	0.0383	76.6	34.0-120	
Dinoseb	mg/L	0.0500	0.0421	84.2	39.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3979387-1 R3979387-2

Parameter	Units	L1658278-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/L	974	0.0500	0.0500	939	895	0.00	0.00	28.0-120	4.80	25	P6
Acenaphthylene	mg/L	13.2	0.0500	0.0500	13.5	12.5	600	0.00	31.0-121	7.69	25	P6
Anthracene	mg/L	296	0.0500	0.0500	278	250	0.00	0.00	36.0-120	10.6	23	P6
Aniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	39	P6
Benzo(a)anthracene	mg/L	165	0.0500	0.0500	152	146	0.00	0.00	39.0-120	4.03	23	P6
Benzo(b)fluoranthene	mg/L	76.4	0.0500	0.0500	65.8	64.0	0.00	0.00	37.0-120	2.77	23	P6
Benzo(k)fluoranthene	mg/L	23.0	0.0500	0.0500	21.9	20.3	0.00	0.00	37.0-120	7.58	26	P6
Benzo(a)pyrene	mg/L	43.5	0.0500	0.0500	38.1	33.5	0.00	0.00	37.0-120	12.8	24	P6
bis(2-Chloroethyl) ether	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	14.0-120	0.00	33	ML
Biphenyl (Diphenyl)	mg/L	299	0.0500	0.0500	273	269	0.00	0.00	29.0-120	1.48	33	P6
2,2'-Oxybis(1-chloropropane)	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	18.0-120	0.00	34	ML
2-Chloronaphthalene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	29.0-120	0.00	28	ML
Chrysene	mg/L	143	0.0500	0.0500	149	111	12000	0.00	38.0-120	29.2	23	P6,R1
4-Chloroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	31	ML
Dibenz(a,h)anthracene	mg/L	3.29	0.0500	0.0500	4.48	3.53	2380	480	36.0-121	23.7	24	P6
Dibenzofuran	mg/L	758	0.0500	0.0500	730	691	0.00	0.00	32.0-120	5.49	26	P6
1,2-Dichlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	18.0-120	0.00	40	ML
1,3-Dichlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	15.0-120	0.00	40	ML
1,4-Dichlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	17.0-120	0.00	40	ML
3,3'-Dichlorobenzidine	mg/L	ND	0.100	0.100	ND	ND	0.00	0.00	10.0-134	0.00	30	ML
2,4-Dinitrotoluene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	39.0-125	0.00	25	ML
2,6-Dinitrotoluene	mg/L	ND	0.0500	0.0500	ND	6.97	0.00	13900	36.0-120	200	27	MH,ML,R1
Fluoranthene	mg/L	1130	0.0500	0.0500	1050	957	0.00	0.00	41.0-121	9.27	22	P6
Fluorene	mg/L	612	0.0500	0.0500	579	551	0.00	0.00	37.0-120	4.96	24	P6
Hexachlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	35.0-122	0.00	24	ML

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3979387-1 R3979387-2

Parameter	Units	L1658278-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachloro-1,3-butadiene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	12.0-120	0.00	34	ML
Hexachlorocyclopentadiene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	33	ML
Hexachloroethane	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
Indeno(1,2,3-cd)pyrene	mg/L	12.4	0.0500	0.0500	11.5	10.8	0.00	0.00	38.0-125	6.28	24	P6
Isophorone	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	21.0-120	0.00	27	ML
Naphthalene	mg/L	1150	0.0500	0.0500	1060	1010	0.00	0.00	10.0-120	4.83	31	P6
Nitrobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	12.0-120	0.00	30	ML
2-Methylnaphthalene	mg/L	1300	0.0500	0.0500	1210	1170	0.00	0.00	17.0-120	3.36	28	P6
2-Nitroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	33.0-120	0.00	27	ML
3-Nitroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	20.0-120	0.00	27	ML
4-Nitroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-160	0.00	26	ML
N-Nitrosodiphenylamine	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	37.0-120	0.00	24	ML
N-Nitroso-di-n-propylamine	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	16.0-120	0.00	30	ML
Phenanthrene	mg/L	1390	0.0500	0.0500	1280	1200	0.00	0.00	33.0-120	6.45	22	P6
Butylbenzylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	34.0-126	0.00	24	ML
bis(2-Ethylhexyl)phthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	33.0-126	0.00	25	ML
Diethylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	39.0-125	0.00	24	ML
Dimethylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	37.0-120	0.00	24	ML
Di-n-octylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	25.0-135	0.00	26	ML
Pyrene	mg/L	689	0.0500	0.0500	621	581	0.00	0.00	39.0-120	6.66	22	P6
2-Chlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	18.0-120	0.00	34	ML
2,4-Dichlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	19.0-120	0.00	27	ML
2,4-Dimethylphenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	15.0-120	0.00	28	ML
2,4-Dinitrophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
4-Nitrophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
Pentachlorophenol	mg/L	118	0.0500	0.0500	108	65.2	0.00	0.00	10.0-128	49.4	37	P6,R1
Phenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
2,4,5-Trichlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	33.0-120	0.00	31	P6
2,4,6-Trichlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	26.0-120	0.00	31	ML
2,3,4,6-Tetrachlorophenol	mg/L	25.8	0.0500	0.0500	19.1	16.1	0.00	0.00	17.0-142	17.0	34	P6
1,2,4,5-Tetrachlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	19.0-122	0.00	32	ML
2-Fluorophenol (S)	%						0.00	0.00	10.0-120			S4
Phenol-d5 (S)	%						0.00	0.00	10.0-120			S4
Nitrobenzene-d5 (S)	%						0.00	0.00	10.0-127			S4
2-Fluorobiphenyl (S)	%						0.00	0.00	10.0-130			S4
2,4,6-Tribromophenol (S)	%						0.00	0.00	10.0-155			S4
Terphenyl-d14 (S)	%						0.00	0.00	10.0-128			S4

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 2138645
QC Batch Method: 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20290112001, 20290112003, 20290112006, 20290112007

METHOD BLANK: R3978990-2 Matrix: Water
Associated Lab Samples: 20290112001, 20290112003, 20290112006, 20290112007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/L	ND	0.0000500	0.0000190	09/26/23 13:56	
Acenaphthene	mg/L	ND	0.0000500	0.0000190	09/26/23 13:56	
Acenaphthylene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
Benzo(a)anthracene	mg/L	ND	0.0000500	0.0000200	09/26/23 13:56	
Benzo(a)pyrene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Benzo(b)fluoranthene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
Benzo(k)fluoranthene	mg/L	ND	0.000250	0.0000200	09/26/23 13:56	
Chrysene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Dibenz(a,h)anthracene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Fluoranthene	mg/L	ND	0.0000500	0.0000110	09/26/23 13:56	
Fluorene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Naphthalene	mg/L	ND	0.000500	0.000128	09/26/23 13:56	
Phenanthrene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Pyrene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
2-Methylnaphthalene	mg/L	ND	0.000500	0.0000280	09/26/23 13:56	
2-Chloronaphthalene	mg/L	ND	0.000500	0.0000120	09/26/23 13:56	
Nitrobenzene-d5 (S)	%	71	11.0-135		09/26/23 13:56	
2-Fluorobiphenyl (S)	%	72	32.0-120		09/26/23 13:56	
Terphenyl-d14 (S)	%	70	23.0-122		09/26/23 13:56	

LABORATORY CONTROL SAMPLE: R3978990-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/L	0.00200	0.00137	68.5	43.0-127	
Acenaphthene	mg/L	0.00200	0.00140	70.0	42.0-120	
Acenaphthylene	mg/L	0.00200	0.00145	72.5	43.0-120	
Benzo(a)anthracene	mg/L	0.00200	0.00134	67.0	46.0-120	
Benzo(a)pyrene	mg/L	0.00200	0.00135	67.5	44.0-122	
Benzo(b)fluoranthene	mg/L	0.00200	0.00125	62.5	43.0-122	
Benzo(k)fluoranthene	mg/L	0.00200	0.00122	61.0	39.0-128	
Chrysene	mg/L	0.00200	0.00137	68.5	42.0-129	
Dibenz(a,h)anthracene	mg/L	0.00200	0.000959	48.0	25.0-139	
Fluoranthene	mg/L	0.00200	0.00157	78.5	48.0-131	
Fluorene	mg/L	0.00200	0.00153	76.5	42.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.00200	0.00118	59.0	37.0-133	
Naphthalene	mg/L	0.00200	0.00139	69.5	30.0-120	
Phenanthrene	mg/L	0.00200	0.00139	69.5	42.0-120	
Pyrene	mg/L	0.00200	0.00145	72.5	38.0-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

LABORATORY CONTROL SAMPLE: R3978990-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/L	0.00200	0.00150	75.0	40.0-120	
2-Chloronaphthalene	mg/L	0.00200	0.00143	71.5	39.0-120	
Nitrobenzene-d5 (S)	%			74.5	11.0-135	
2-Fluorobiphenyl (S)	%			73.5	32.0-120	
Terphenyl-d14 (S)	%			67.5	23.0-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3979426-1 R3979426-2

Parameter	Units	L1658612-04 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/L	ND	0.00200	0.00200	0.00109	0.000776	54.5	38.8	28.0-120	33.7	25	R1
Acenaphthene	mg/L	ND	0.00200	0.00200	0.00126	0.000879	63.0	43.9	16.0-120	35.6	25	R1
Acenaphthylene	mg/L	ND	0.00200	0.00200	0.00126	0.000884	63.0	44.2	16.0-121	35.1	26	R1
Benzo(a)anthracene	mg/L	ND	0.00200	0.00200	0.000747	0.000523	37.3	26.1	19.0-125	35.3	26	R1
Benzo(a)pyrene	mg/L	ND	0.00200	0.00200	0.000371	0.000267	18.5	13.3	10.0-126	32.6	32	R1
Benzo(b)fluoranthene	mg/L	ND	0.00200	0.00200	0.000392	0.000287	19.6	14.4	10.0-125	30.9	36	
Benzo(k)fluoranthene	mg/L	ND	0.00200	0.00200	0.000456	0.000348	22.8	17.4	10.0-124	26.9	32	
Chrysene	mg/L	ND	0.00200	0.00200	0.000886	0.000640	44.3	32.0	18.0-127	32.2	26	R1
Dibenz(a,h)anthracene	mg/L	ND	0.00200	0.00200	0.000112	0.000087 7	5.60	4.38	10.0-132	24.3	43	ML
Fluoranthene	mg/L	ND	0.00200	0.00200	0.00122	0.000906	61.0	45.3	37.0-122	29.5	23	R1
Fluorene	mg/L	ND	0.00200	0.00200	0.00130	0.000904	65.0	45.2	20.0-120	35.9	26	R1
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.00200	0.00200	0.000152	0.000145	7.60	7.25	10.0-130	4.71	38	ML
Naphthalene	mg/L	ND	0.00200	0.00200	0.00145	0.00102	72.5	51.0	14.0-120	34.8	20	R1
Phenanthrene	mg/L	ND	0.00200	0.00200	0.00126	0.000876	63.0	43.8	26.0-120	36.0	24	R1
Pyrene	mg/L	ND	0.00200	0.00200	0.00134	0.00101	67.0	50.5	29.0-120	28.1	24	R1
2-Methylnaphthalene	mg/L	ND	0.00200	0.00200	0.00140	0.000954	70.0	47.7	10.0-143	37.9	24	R1
2-Chloronaphthalene	mg/L	ND	0.00200	0.00200	0.00119	0.000806	59.5	40.3	16.0-120	38.5	25	R1
Nitrobenzene-d5 (S)	%						76.5	53.0	11.0-135			
2-Fluorobiphenyl (S)	%						59.5	40.9	32.0-120			
Terphenyl-d14 (S)	%						51.5	45.6	23.0-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

QC Batch: 300244
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290112001, 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

METHOD BLANK: 1437707 Matrix: Water
Associated Lab Samples: 20290112001, 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	0.00012	09/22/23 12:10	
1,1,1-Trichloroethane	mg/L	ND	0.00050	0.00017	09/22/23 12:10	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.00050	0.00024	09/22/23 12:10	
1,1,2-Trichloroethane	mg/L	ND	0.00050	0.00027	09/22/23 12:10	
1,1-Dichloroethane	mg/L	ND	0.00050	0.00021	09/22/23 12:10	
1,1-Dichloroethene	mg/L	ND	0.00050	0.00021	09/22/23 12:10	
1,2,4-Trichlorobenzene	mg/L	ND	0.0020	0.0011	09/22/23 12:10	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.00020	0.00010	09/22/23 12:10	
1,2-Dichloroethane	mg/L	ND	0.00050	0.00035	09/22/23 12:10	
1,2-Dichloropropane	mg/L	ND	0.00050	0.00015	09/22/23 12:10	
2-Butanone (MEK)	mg/L	ND	0.0020	0.00050	09/22/23 12:10	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0010	0.00064	09/22/23 12:10	
Acetone	mg/L	ND	0.0040	0.0020	09/22/23 12:10	
Benzene	mg/L	ND	0.00050	0.00016	09/22/23 12:10	
Bromodichloromethane	mg/L	ND	0.00050	0.00012	09/22/23 12:10	
Bromoform	mg/L	ND	0.0010	0.00058	09/22/23 12:10	
Bromomethane	mg/L	ND	0.00050	0.00025	09/22/23 12:10	
Carbon disulfide	mg/L	ND	0.0010	0.00038	09/22/23 12:10	
Carbon tetrachloride	mg/L	ND	0.00050	0.000078	09/22/23 12:10	
Chlorobenzene	mg/L	ND	0.00050	0.00014	09/22/23 12:10	
Chloroethane	mg/L	ND	0.00050	0.00047	09/22/23 12:10	
Chloroform	mg/L	ND	0.00050	0.00018	09/22/23 12:10	
Chloromethane	mg/L	ND	0.00050	0.00017	09/22/23 12:10	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	0.00035	09/22/23 12:10	
cis-1,3-Dichloropropene	mg/L	ND	0.00050	0.00018	09/22/23 12:10	
Dibromochloromethane	mg/L	ND	0.00050	0.00012	09/22/23 12:10	
Ethylbenzene	mg/L	ND	0.00050	0.00017	09/22/23 12:10	
Isobutanol	mg/L	ND	0.050	0.010	09/22/23 12:10	
m&p-Xylene	mg/L	ND	0.0020	0.00024	09/22/23 12:10	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00016	09/22/23 12:10	
Methylene Chloride	mg/L	ND	0.00050	0.00050	09/22/23 12:10	
o-Xylene	mg/L	ND	0.0010	0.00015	09/22/23 12:10	
Styrene	mg/L	ND	0.0010	0.00014	09/22/23 12:10	
Tetrachloroethene	mg/L	ND	0.00050	0.00014	09/22/23 12:10	
Toluene	mg/L	ND	0.00050	0.00017	09/22/23 12:10	
trans-1,2-Dichloroethene	mg/L	ND	0.00050	0.00022	09/22/23 12:10	
trans-1,3-Dichloropropene	mg/L	ND	0.00050	0.00026	09/22/23 12:10	
Trichloroethene	mg/L	ND	0.00050	0.00021	09/22/23 12:10	
Trichlorofluoromethane	mg/L	ND	0.0010	0.00058	09/22/23 12:10	
Vinyl chloride	mg/L	ND	0.00050	0.00016	09/22/23 12:10	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

METHOD BLANK: 1437707 Matrix: Water
Associated Lab Samples: 20290112001, 20290112002, 20290112004, 20290112005, 20290112008, 20290112009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4-Bromofluorobenzene (S)	%.	100	68-124		09/22/23 12:10	
Dibromofluoromethane (S)	%.	100	72-126		09/22/23 12:10	
Toluene-d8 (S)	%.	103	79-119		09/22/23 12:10	

LABORATORY CONTROL SAMPLE: 1437708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	0.25	0.24	97	66-134	
1,1,1-Trichloroethane	mg/L	0.25	0.27	107	62-131	
1,1,2,2-Tetrachloroethane	mg/L	0.25	0.20	80	15-179	
1,1,2-Trichloroethane	mg/L	0.25	0.22	89	58-144	
1,1-Dichloroethane	mg/L	0.25	0.25	100	63-129	
1,1-Dichloroethene	mg/L	0.25	0.25	101	51-139	
1,2,4-Trichlorobenzene	mg/L	0.25	0.25	102	50-135	
1,2-Dibromo-3-chloropropane	mg/L	0.25	0.24	97	21-160	
1,2-Dichloroethane	mg/L	0.25	0.24	97	57-148	
1,2-Dichloropropane	mg/L	0.25	0.25	101	66-128	
2-Butanone (MEK)	mg/L	0.25	0.26	105	32-183	
4-Methyl-2-pentanone (MIBK)	mg/L	0.25	0.22	87	26-171	
Acetone	mg/L	0.25	0.27	108	22-165	
Benzene	mg/L	0.25	0.25	101	62-131	
Bromodichloromethane	mg/L	0.25	0.26	105	69-132	
Bromoform	mg/L	0.25	0.25	98	35-166	
Bromomethane	mg/L	0.25	0.26	103	34-158	
Carbon disulfide	mg/L	0.25	0.27	106	31-128	
Carbon tetrachloride	mg/L	0.25	0.26	104	54-144	
Chlorobenzene	mg/L	0.25	0.23	94	70-127	
Chloroethane	mg/L	0.25	0.26	105	17-195	
Chloroform	mg/L	0.25	0.25	101	73-134	
Chloromethane	mg/L	0.25	0.26	102	17-153	
cis-1,2-Dichloroethene	mg/L	0.25	0.26	104	68-129	
cis-1,3-Dichloropropene	mg/L	0.25	0.25	101	72-138	
Dibromochloromethane	mg/L	0.25	0.23	94	49-146	
Ethylbenzene	mg/L	0.25	0.24	96	66-126	
m&p-Xylene	mg/L	0.5	0.49	98	65-129	
Methyl-tert-butyl ether	mg/L	0.25	0.24	97	37-166	
Methylene Chloride	mg/L	0.25	0.27	109	46-168	
o-Xylene	mg/L	0.25	0.24	95	65-124	
Styrene	mg/L	0.25	0.24	98	72-133	
Tetrachloroethene	mg/L	0.25	0.22	88	46-157	
Toluene	mg/L	0.25	0.24	98	69-126	
trans-1,2-Dichloroethene	mg/L	0.25	0.27	108	60-129	
trans-1,3-Dichloropropene	mg/L	0.25	0.23	93	59-149	
Trichloroethene	mg/L	0.25	0.25	99	67-132	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

LABORATORY CONTROL SAMPLE: 1437708

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Trichlorofluoromethane	mg/L	0.25	0.26	103	39-171	
Vinyl chloride	mg/L	0.25	0.29	115	27-149	
4-Bromofluorobenzene (S)	%.			97	68-124	
Dibromofluoromethane (S)	%.			101	72-126	
Toluene-d8 (S)	%.			102	79-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437709 1437710

Parameter	Units	20289349001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/L	ND	0.05	0.05	0.054	0.052	108	105	66-136	3	20	
1,1,1-Trichloroethane	mg/L	ND	0.05	0.05	0.062	0.060	123	119	54-137	3	20	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.05	0.05	0.042	0.041	84	82	15-187	3	20	
1,1,2-Trichloroethane	mg/L	ND	0.05	0.05	0.047	0.044	93	89	59-148	5	20	
1,1-Dichloroethane	mg/L	ND	0.05	0.05	0.058	0.056	115	111	59-133	4	20	
1,1-Dichloroethene	mg/L	ND	0.05	0.05	0.071	0.059	142	118	44-146	18	20	
1,2,4-Trichlorobenzene	mg/L	ND	0.05	0.05	0.055	0.055	110	110	39-153	1	20	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.05	0.05	0.051	0.048	101	95	23-166	6	20	
1,2-Dichloroethane	mg/L	ND	0.05	0.05	0.053	0.051	106	102	56-154	4	20	
1,2-Dichloropropane	mg/L	ND	0.05	0.05	0.057	0.055	114	111	62-135	3	20	
2-Butanone (MEK)	mg/L	ND	0.05	0.05	0.054	0.053	109	106	20-205	2	20	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.05	0.05	0.042	0.041	84	83	23-184	2	20	
Acetone	mg/L	ND	0.05	0.05	0.052	0.050	76	72	11-217	4	20	
Benzene	mg/L	ND	0.05	0.05	0.058	0.055	115	111	52-141	4	20	
Bromodichloromethane	mg/L	ND	0.05	0.05	0.059	0.057	119	114	70-134	4	20	
Bromoform	mg/L	ND	0.05	0.05	0.052	0.050	103	99	37-171	4	20	
Bromomethane	mg/L	ND	0.05	0.05	0.064	0.060	127	120	34-155	6	20	
Carbon disulfide	mg/L	ND	0.05	0.05	0.075	0.060	149	119	28-130	23	20	M1,R1
Carbon tetrachloride	mg/L	ND	0.05	0.05	0.061	0.060	122	119	48-146	2	20	
Chlorobenzene	mg/L	ND	0.05	0.05	0.054	0.051	108	103	67-129	5	20	
Chloroethane	mg/L	ND	0.05	0.05	0.063	0.061	127	122	12-192	4	20	
Chloroform	mg/L	ND	0.05	0.05	0.058	0.055	116	110	66-143	5	20	
Chloromethane	mg/L	ND	0.05	0.05	0.062	0.059	124	119	14-155	5	20	
cis-1,2-Dichloroethene	mg/L	ND	0.05	0.05	0.059	0.056	118	112	56-141	6	20	
cis-1,3-Dichloropropene	mg/L	ND	0.05	0.05	0.057	0.056	114	111	70-139	2	20	
Dibromochloromethane	mg/L	ND	0.05	0.05	0.049	0.047	99	94	50-150	4	20	
Ethylbenzene	mg/L	ND	0.05	0.05	0.053	0.053	107	106	57-135	1	20	
m&p-Xylene	mg/L	ND	0.1	0.1	0.11	0.11	112	109	56-136	3	20	
Methyl-tert-butyl ether	mg/L	ND	0.05	0.05	0.052	0.051	104	101	35-176	2	20	
Methylene Chloride	mg/L	ND	0.05	0.05	0.061	0.060	118	117	45-166	2	20	
o-Xylene	mg/L	ND	0.05	0.05	0.053	0.051	106	103	57-133	3	20	
Styrene	mg/L	ND	0.05	0.05	0.054	0.052	107	104	58-144	4	20	
Tetrachloroethene	mg/L	ND	0.05	0.05	0.052	0.050	104	100	48-143	5	20	
Toluene	mg/L	ND	0.05	0.05	0.057	0.054	113	108	59-136	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437709 1437710

Parameter	Units	20289349001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
trans-1,2-Dichloroethene	mg/L	ND	0.05	0.05	0.064	0.061	128	121	57-132	6	20	
trans-1,3-Dichloropropene	mg/L	ND	0.05	0.05	0.051	0.047	102	95	59-154	7	20	
Trichloroethene	mg/L	ND	0.05	0.05	0.058	0.055	117	110	58-140	6	20	
Trichlorofluoromethane	mg/L	ND	0.05	0.05	0.063	0.059	127	118	24-175	7	20	
Vinyl chloride	mg/L	ND	0.05	0.05	0.070	0.066	141	131	21-150	7	20	
4-Bromofluorobenzene (S)	%.						98	96	68-124			
Dibromofluoromethane (S)	%.						100	100	72-126			
Toluene-d8 (S)	%.						102	101	79-119			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20290112

[1]

SAMPLE QUALIFIERS

Sample: 20290112001

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Sample: 20290112002

[1] TPH by Method EPH - Sample produced heavy emulsion during Extraction process, low surr/spike recoveries due to matrix

Sample: 20290112003

[1] TPH by Method EPH - Sample produced emulsion during Extraction process, low surr/spike recoveries due to matrix.

Sample: R3979387-1

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

Sample: R3979387-2

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

Sample: L1658278-01

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

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QUALIFIERS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
G7	An aliquot for analysis was taken from the original container received due to the level of sediment present in the sample. Rinsing of the original sample container for inclusion in the sample extraction was not performed.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.
ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
SR	Surrogate recovery was below laboratory control limits. Results may be biased low.

Pace Analytical Services, LLC
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(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20290112001	**TW-9**	MA DEP/NJ DEP	2143105	EPH	2143105
20290112002	**TW-10**	MA DEP/NJ DEP	2143105	EPH	2143105
20290112003	**TW-11**	MA DEP/NJ DEP	2143105	EPH	2143105
20290112004	**TW-12**	MA DEP/NJ DEP	2144707	EPH	2144707
20290112005	**TW-13**	MA DEP/NJ DEP	2144707	EPH	2144707
20290112006	**TW-14**	MA DEP/NJ DEP	2144707	EPH	2144707
20290112007	**RINSATE-1**	MA DEP/NJ DEP	2144707	EPH	2144707
20290112008	**TW-15**	MA DEP/NJ DEP	2144707	EPH	2144707
20290112009	**TW-16**	MA DEP/NJ DEP	2144707	EPH	2144707
20290112001	**TW-9**	MADEP VPH Mod	300278		
20290112002	**TW-10**	MADEP VPH Mod	300278		
20290112004	**TW-12**	MADEP VPH Mod	300278		
20290112005	**TW-13**	MADEP VPH Mod	300278		
20290112008	**TW-15**	MADEP VPH Mod	300278		
20290112009	**TW-16**	MADEP VPH Mod	300278		
20290112001	**TW-9**	EPA 3010	300164	EPA 6020A	300364
20290112002	**TW-10**	EPA 3010	300164	EPA 6020A	300364
20290112003	**TW-11**	EPA 3010	300164	EPA 6020A	300364
20290112004	**TW-12**	EPA 3010	300443	EPA 6020A	300557
20290112005	**TW-13**	EPA 3010	300443	EPA 6020A	300557
20290112006	**TW-14**	EPA 3010	300443	EPA 6020A	300557
20290112007	**RINSATE-1**	EPA 3010	300443	EPA 6020A	300557
20290112008	**TW-15**	EPA 3010	300443	EPA 6020A	300557
20290112009	**TW-16**	EPA 3010	300443	EPA 6020A	300557
20290112001	**TW-9**	EPA 7470	300450	EPA 7470	300576
20290112002	**TW-10**	EPA 7470	300450	EPA 7470	300576
20290112003	**TW-11**	EPA 7470	300450	EPA 7470	300576
20290112004	**TW-12**	EPA 7470	300450	EPA 7470	300576
20290112005	**TW-13**	EPA 7470	300450	EPA 7470	300576
20290112006	**TW-14**	EPA 7470	300450	EPA 7470	300576
20290112007	**RINSATE-1**	EPA 7470	300450	EPA 7470	300576
20290112008	**TW-15**	EPA 7470	300450	EPA 7470	300576
20290112009	**TW-16**	EPA 7470	300450	EPA 7470	300576
20290112002	**TW-10**	3510C	2138352	EPA 8270E	2138352
20290112004	**TW-12**	3510C	2138352	EPA 8270E	2138352
20290112005	**TW-13**	3510C	2138352	EPA 8270E	2138352
20290112008	**TW-15**	3510C	2138352	EPA 8270E	2138352
20290112009	**TW-16**	3510C	2138352	EPA 8270E	2138352
20290112001	**TW-9**	3510C	2138645	EPA 8270E by SIM	2138645
20290112003	**TW-11**	3510C	2138645	EPA 8270E by SIM	2138645
20290112006	**TW-14**	3510C	2138645	EPA 8270E by SIM	2138645
20290112007	**RINSATE-1**	3510C	2138645	EPA 8270E by SIM	2138645
20290112001	**TW-9**	EPA 5030B/8260	300244		
20290112002	**TW-10**	EPA 5030B/8260	300244		
20290112004	**TW-12**	EPA 5030B/8260	300244		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290112

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20290112005	**TW-13**	EPA 5030B/8260	300244		
20290112008	**TW-15**	EPA 5030B/8260	300244		
20290112009	**TW-16**	EPA 5030B/8260	300244		

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 20290112

20290112

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	
Project Name:	JM3-JM5 Parcels Waters	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Louisiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): 7day
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Analysis:

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Clay Ledet
AcctNum / Client ID:
Table #:
Profile/Template: 8793/2
Prelog / Bottle Ord. ID: 1141079

Preservation non-conformance identified for sample.

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	EPH	PAH SIM	RCRA Metals	RECAP Metals	RECAP SVOC	VOC/VPH	Total Metals	Sample Comment
TW-9	W	G	9/14/23	9:07				1	8	X	X	X			X		
TW-10				9:35				1	8	X			X	X	X		
TW-11				10:30				1	4	X	X	X					
TW-12				11:16				1	8	X			X	X	X		
TW-13				12:05				1	8	X			X	X	X		
TW-14				12:57				1	4	X	X	X					
Rinsate-1				13:35				1	4	X	X					X	
TW-15				14:16				1	8	X			X	X	X		
TW-16				14:58				1	8	X			X	X	X		
Temp Blank																	

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Greg Pellerin
Signature: Greg Pellerin

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
1	12	N/A	0.5	0.5

Relinquished by/Company: (Signature) Greg Pellerin	Date/Time: 9-19-23 15:44	Received by/Company: (Signature) Ilya / Pace	Date/Time: 9-20-23 945
Relinquished by/Company: (Signature) Allison Greenacre	Date/Time: 9-20-23 11:10	Received by/Company: (Signature)	Date/Time: 9/20/23 11:10
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

Tracking Number:

Delivered by: [ ] In-Person [ ] Courier [ ] FedEx [ ] UPS [ ] Other

Page: 1 of 1

Pace

Sample Condition Upon Rece

WO# : 20290112

PM: CAL Due Date: 09/27/23

Worl CLIENT: 20-TERRACONN

1000 Riverbend Blvd, Suite F, St. Rose, LA 70087

Cooler Inspected by/date: WMB / 9/21/2023

Means of receipt: ☑ Pace ☐ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No	☐ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☑ NA	If custody seals were present, were they intact and unbroken?

Method: ☑ Temperature Blank ☐ Against Bottles IR Gun ID: 12 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C: 0.5	(Actual/True)	Samples on ice ☑ Yes ☐ No
Cooler #2	Cooler Temp °C:	(Actual/True)	pH Strip Lot # 209211
Cooler #3	Cooler Temp °C:	(Actual/True)	Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None
Cooler #4	Cooler Temp °C:	(Actual/True)	

Tracking #:

☑ Yes	☐ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☐ Yes	☑ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☑ Yes	☐ No	☐ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☑ No	☐ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☑ Yes	☐ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☐ Yes ☐ No If added, record lots. Dispenser/pipette lot #: _____
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	HNO3_____ H2SO4_____ NaOH_____ Date: _____ Time:_____

Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

December 05, 2023

Diana Day
Terracon
524 Elmwood Park Blvd
Suite 170
New Orleans, LA 70123

RE: Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Dear Diana Day:

Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 2023. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

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

- Pace National - Mt. Juliet
- Pace Analytical Services - New Orleans

12-5-23 This report supersedes and replaces any prior reports issued under this workorder. Client requested the removal of unnecessary compounds.

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

Sincerely,

Clay Ledet
clay.ledet@pacelabs.com
(504)469-0333
Project Manager

Enclosures

cc: Lem Dial, Terracon - Baton Rouge
Jason Maloney, Terracon NOLA
Gregory Pellerin, Terracon

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

CERTIFICATIONS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Pace Analytical Services New Orleans

Florida Department of Health (NELAC): E87595
Illinois Environmental Protection Agency: 2000662023-7
Kansas Department of Health and Environment (NELAC): E-10266
Louisiana Dept. of Environmental Quality (NELAC/LELAP): 02006
Texas Commission on Env. Quality (NELAC): T104704405-23-18
U.S. Dept. of Agriculture Foreign Soil Import: 525-23-117-89728

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05
Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Mold Certification #: LAB0152
Texas Certification #: T 104704245-17-14
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Virginia Certification #: VT2006
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE SUMMARY

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Lab ID	Sample ID	Matrix	Date Collected	Date Received
20290113001	**TW-17**	Water	09/20/23 08:51	09/20/23 14:46
20290113002	**DUP-6W**	Water	09/20/23 09:23	09/20/23 14:46
20290113003	**TW-18**	Water	09/20/23 09:33	09/20/23 14:46
20290113004	**TW-19**	Water	09/20/23 10:48	09/20/23 14:46
20290113005	**TW-20**	Water	09/20/23 11:41	09/20/23 14:46

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SAMPLE ANALYTE COUNT

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
20290113001	**TW-17**	EPH	DMG	11	PAN
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20290113002	**DUP-6W**	EPH	DMG	11	PAN
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20290113003	**TW-18**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N
20290113004	**TW-19**	EPH	DMG	11	PAN
		EPA 6020A	FC1	7	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E by SIM	DSH	20	PAN
20290113005	**TW-20**	EPH	DMG	11	PAN
		MADEP VPH Mod	SLK	4	PASI-N
		EPA 6020A	FC1	15	PASI-N
		EPA 7470	AJS	1	PASI-N
		EPA 8270E	AED, JRM	64	PAN
		EPA 5030B/8260	SLK	43	PASI-N

PAN = Pace National - Mt. Juliet
PASI-N = Pace Analytical Services - New Orleans

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Date: December 05, 2023

MS (Lab ID: R3979387-1)

- Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

MSD (Lab ID: R3979387-2)

- Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPH**
Description: TPH by Method EPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
5 samples were analyzed for EPH by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

P4: Sample field preservation does not meet EPA or method recommendations for this analysis.
- DUP-6W (Lab ID: 20290113002)
- TW-17 (Lab ID: 20290113001)
- TW-18 (Lab ID: 20290113003)
- TW-19 (Lab ID: 20290113004)
- TW-20 (Lab ID: 20290113005)

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2144707

B: Analyte was detected in the associated method blank.
- R3982669-3 (Lab ID: R3982669-3)
  - Aliphatic (>C16-C35)

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **MADEP VPH Mod**
Description: 8015/8021 GCV VPH
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
2 samples were analyzed for MADEP VPH Mod by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 300278

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20289651001

R1: RPD value was outside control limits.

- MSD (Lab ID: 1437818)
  - Aliphatic (>C08-C10)
  - Aliphatic (C06-C08)
  - Aromatic (>C08-C10)

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPA 6020A**
Description: 6020 MET ICPMS
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
5 samples were analyzed for EPA 6020A by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 3010 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 300443

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- DUP-6W (Lab ID: 20290113002)
  - Chromium
- TW-17 (Lab ID: 20290113001)
  - Chromium
- TW-18 (Lab ID: 20290113003)
  - Beryllium
- TW-19 (Lab ID: 20290113004)
  - Chromium
- TW-20 (Lab ID: 20290113005)
  - Beryllium

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPA 7470**
Description: 7470 Mercury
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
5 samples were analyzed for EPA 7470 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Sample Preparation:
The samples were prepared in accordance with EPA 7470 with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Pace Analytical Services, LLC
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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
2 samples were analyzed for EPA 8270E by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

QC Batch: 2138352

S4: Surrogate recovery not evaluated against control limits due to sample dilution.

- MS (Lab ID: R3979387-1)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d5 (S)
  - Terphenyl-d14 (S)
- MSD (Lab ID: R3979387-2)
  - 2,4,6-Tribromophenol (S)
  - 2-Fluorobiphenyl (S)
  - 2-Fluorophenol (S)
  - Nitrobenzene-d5 (S)
  - Phenol-d5 (S)
  - Terphenyl-d14 (S)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

QC Batch: 2138352

B: Analyte was detected in the associated method blank.

- R3978315-2 (Lab ID: R3978315-2)
  - 2-Methylnaphthalene
  - Naphthalene

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPA 8270E**
Description: SVOA (GC/MS) 8270E
Client: Terracon - New Orleans
Date: December 05, 2023

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2138352

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): L1658278-01

R1: RPD value was outside control limits.

- MSD (Lab ID: R3979387-2)
  - 2,6-Dinitrotoluene
  - Chrysene
  - Pentachlorophenol

Additional Comments:

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
3 samples were analyzed for EPA 8270E by SIM by Pace National Mt. Juliet. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 2138645

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20290113004

R1: RPD value was outside control limits.

- MSD (Lab ID: R3979426-2)
  - 2-Chloronaphthalene
  - 2-Methylnaphthalene
  - Acenaphthene
  - Acenaphthylene
  - Anthracene
  - Benzo(a)anthracene
  - Benzo(a)pyrene
  - Chrysene
  - Fluoranthene
  - Fluorene
  - Naphthalene

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPA 8270E by SIM**
Description: SVOA (GC/MS) 8270E-SIM
Client: Terracon - New Orleans
Date: December 05, 2023

QC Batch: 2138645

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 20290113004

R1: RPD value was outside control limits.

- Phenanthrene
- Pyrene

Additional Comments:

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PROJECT NARRATIVE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Method: **EPA 5030B/8260**
Description: 8260 MSV Low Level
Client: Terracon - New Orleans
Date: December 05, 2023

General Information:
2 samples were analyzed for EPA 5030B/8260 by Pace Analytical Services New Orleans. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-17 **Lab ID: 20290113001** Collected: 09/20/23 08:51 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:08		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:08		G7,P4
Aliphatic (>C16-C35)	**0.0569J**	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:08	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.152	0.0404		1.01	10/03/23 16:56	10/05/23 11:09		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:09		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:09		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:09		G7,P4
Surrogates										
o-Terphenyl (S)	62.1	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:09	84-15-1	
1-Chloro-octadecane (S)	60.6	%	40.0-140			1.01	10/03/23 16:56	10/05/23 16:08		
2-Fluorobiphenyl (S)	69.8	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:09	321-60-8	
2-Bromonaphthalene (S)	70.3	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:09	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.0077**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:53	7440-38-2	
Barium	**0.38**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:53	7440-39-3	
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:53	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:53	7440-47-3	D3
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:53	7439-92-1	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:53	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:53	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:41	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/27/23 00:25	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/27/23 00:25	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:25	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/25/23 22:16	09/27/23 00:25	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:25	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:25	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/25/23 22:16	09/27/23 00:25	207-08-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-17 **Lab ID: 20290113001** Collected: 09/20/23 08:51 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:25	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:25	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/25/23 22:16	09/27/23 00:25	206-44-0	
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:25	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:25	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/25/23 22:16	09/27/23 00:25	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:25	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:25	129-00-0	
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/25/23 22:16	09/27/23 00:25	91-57-6	
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/25/23 22:16	09/27/23 00:25	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	59.0	%	11.0-135			1	09/25/23 22:16	09/27/23 00:25	4165-60-0	
2-Fluorobiphenyl (S)	62.5	%	32.0-120			1	09/25/23 22:16	09/27/23 00:25	321-60-8	
Terphenyl-d14 (S)	45.2	%	23.0-122			1	09/25/23 22:16	09/27/23 00:25	1718-51-0	

Sample: DUP-6W **Lab ID: 20290113002** Collected: 09/20/23 09:23 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:30		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:30		G7,P4
Aliphatic (>C16-C35)	**0.0553J**	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:30	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.152	0.0404		1.01	10/03/23 16:56	10/05/23 11:33		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:33		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:33		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:33		G7,P4
Surrogates										
o-Terphenyl (S)	50.2	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:33	84-15-1	
1-Chloro-octadecane (S)	57.9	%	40.0-140			1.01	10/03/23 16:56	10/05/23 16:30		
2-Fluorobiphenyl (S)	69.3	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:33	321-60-8	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: DUP-6W **Lab ID: 20290113002** Collected: 09/20/23 09:23 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Surrogates										
2-Bromonaphthalene (S)	67.8	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:33	580-13-2	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.011**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:56	7440-38-2	
Barium	**0.33**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:56	7440-39-3	
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:56	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:56	7440-47-3	D3
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:56	7439-92-1	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:56	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:56	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:44	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/27/23 00:45	120-12-7	
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/27/23 00:45	83-32-9	
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:45	208-96-8	
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/25/23 22:16	09/27/23 00:45	56-55-3	
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:45	50-32-8	
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:45	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.000250	0.0000200		1	09/25/23 22:16	09/27/23 00:45	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:45	218-01-9	
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:45	53-70-3	
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/25/23 22:16	09/27/23 00:45	206-44-0	
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:45	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:45	193-39-5	
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/25/23 22:16	09/27/23 00:45	91-20-3	
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/27/23 00:45	85-01-8	
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/27/23 00:45	129-00-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: DUP-6W **Lab ID: 20290113002** Collected: 09/20/23 09:23 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
2-Methylnaphthalene	**0.0000393 J**	mg/L	0.000500	0.000028		1	09/25/23 22:16	09/27/23 00:45	91-57-6	J
2-Chloronaphthalene	ND	mg/L	0.000500	0.000012		1	09/25/23 22:16	09/27/23 00:45	91-58-7	
Surrogates										
Nitrobenzene-d5 (S)	54.0	%	11.0-135			1	09/25/23 22:16	09/27/23 00:45	4165-60-0	
2-Fluorobiphenyl (S)	57.0	%	32.0-120			1	09/25/23 22:16	09/27/23 00:45	321-60-8	
Terphenyl-d14 (S)	44.9	%	23.0-122			1	09/25/23 22:16	09/27/23 00:45	1718-51-0	

Sample: TW-18 **Lab ID: 20290113003** Collected: 09/20/23 09:33 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:53		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:53		G7,P4
Aliphatic (>C16-C35)	**0.0534J**	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 16:53	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.152	0.0404		1.01	10/03/23 16:56	10/05/23 11:57		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:57		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:57		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.152	0.0505		1.01	10/03/23 16:56	10/05/23 11:57		G7,P4
Surrogates										
o-Terphenyl (S)	56.7	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:57	84-15-1	
1-Chloro-octadecane (S)	50.7	%	40.0-140			1.01	10/03/23 16:56	10/05/23 16:53		
2-Fluorobiphenyl (S)	73.3	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:57	321-60-8	
2-Bromonaphthalene (S)	72.0	%	40.0-140			1.01	10/03/23 16:56	10/05/23 11:57	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 21:44		
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 21:44		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 21:44		
Surrogates										
4-Bromofluorobenzene (S)	96	%.	63-133			1		09/22/23 21:44	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 16:59	7440-36-0	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-18 **Lab ID: 20290113003** Collected: 09/20/23 09:33 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.019**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 16:59	7440-38-2	
Barium	**0.23**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 16:59	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 16:59	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 16:59	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 16:59	7440-47-3	
Cobalt	**0.00090J**	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 16:59	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 16:59	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 16:59	7439-92-1	
Nickel	**0.0037**	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 16:59	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 16:59	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 16:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 16:59	7440-28-0	
Vanadium	**0.00089J**	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 16:59	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 16:59	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:46	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	ND	mg/L	0.00100	0.0000886		1	09/26/23 10:34	09/27/23 00:29	83-32-9	
Acenaphthylene	ND	mg/L	0.00100	0.0000921		1	09/26/23 10:34	09/27/23 00:29	208-96-8	
Anthracene	ND	mg/L	0.00100	0.0000804		1	09/26/23 10:34	09/27/23 00:29	120-12-7	
Aniline	ND	mg/L	0.0100	0.00165		1	09/26/23 10:34	09/27/23 00:29	62-53-3	
Benzo(a)anthracene	ND	mg/L	0.00100	0.000199		1	09/26/23 10:34	09/27/23 00:29	56-55-3	
Benzo(b)fluoranthene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/27/23 00:29	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.00100	0.000120		1	09/26/23 10:34	09/27/23 00:29	207-08-9	
Benzo(a)pyrene	ND	mg/L	0.00100	0.0000381		1	09/26/23 10:34	09/27/23 00:29	50-32-8	
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/26/23 10:34	09/27/23 00:29	111-44-4	
Biphenyl (Diphenyl)	ND	mg/L	0.0100	0.000790		1	09/26/23 10:34	09/27/23 00:29	92-52-4	
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/26/23 10:34	09/27/23 00:29	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/26/23 10:34	09/27/23 00:29	91-58-7	
Chrysene	ND	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/27/23 00:29	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/26/23 10:34	09/27/23 00:29	106-47-8	
Dibenz(a,h)anthracene	ND	mg/L	0.00100	0.0000644		1	09/26/23 10:34	09/27/23 00:29	53-70-3	
Dibenzofuran	ND	mg/L	0.0100	0.0000970		1	09/26/23 10:34	09/27/23 00:29	132-64-9	
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/26/23 10:34	09/27/23 00:29	95-50-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-18 **Lab ID: 20290113003** Collected: 09/20/23 09:33 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/26/23 10:34	09/27/23 00:29	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/26/23 10:34	09/27/23 00:29	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/26/23 10:34	09/27/23 00:29	91-94-1	
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/26/23 10:34	09/27/23 00:29	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/26/23 10:34	09/27/23 00:29	606-20-2	
Fluoranthene	ND	mg/L	0.00100	0.000102		1	09/26/23 10:34	09/27/23 00:29	206-44-0	
Fluorene	ND	mg/L	0.00100	0.0000844		1	09/26/23 10:34	09/27/23 00:29	86-73-7	
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/26/23 10:34	09/27/23 00:29	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/26/23 10:34	09/27/23 00:29	87-68-3	
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/26/23 10:34	09/27/23 00:29	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/26/23 10:34	09/27/23 00:29	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/26/23 10:34	09/27/23 00:29	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/27/23 00:29	78-59-1	
Naphthalene	**0.000565J**	mg/L	0.00100	0.000159		1	09/26/23 10:34	09/27/23 00:29	91-20-3	B,J
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/26/23 10:34	09/27/23 00:29	98-95-3	
2-Methylnaphthalene	**0.000232J**	mg/L	0.00100	0.000117		1	09/26/23 10:34	09/27/23 00:29	91-57-6	B,J
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/27/23 00:29	88-74-4	
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/26/23 10:34	09/27/23 00:29	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/26/23 10:34	09/27/23 00:29	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/26/23 10:34	09/27/23 00:29	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/26/23 10:34	09/27/23 00:29	621-64-7	
Phenanthrene	ND	mg/L	0.00100	0.000112		1	09/26/23 10:34	09/27/23 00:29	85-01-8	
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/26/23 10:34	09/27/23 00:29	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/26/23 10:34	09/27/23 00:29	117-81-7	
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/26/23 10:34	09/27/23 00:29	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/26/23 10:34	09/27/23 00:29	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/26/23 10:34	09/27/23 00:29	117-84-0	
Pyrene	ND	mg/L	0.00100	0.000107		1	09/26/23 10:34	09/27/23 00:29	129-00-0	
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/26/23 10:34	09/27/23 00:29	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/27/23 00:29	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/26/23 10:34	09/27/23 00:29	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/26/23 10:34	09/27/23 00:29	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/27/23 00:29	100-02-7	
Pentachlorophenol	ND	mg/L	0.0100	0.000313		1	09/26/23 10:34	09/27/23 00:29	87-86-5	
Phenol	ND	mg/L	0.0100	0.00433		1	09/26/23 10:34	09/27/23 00:29	108-95-2	
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/26/23 10:34	09/27/23 00:29	95-95-4	
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/26/23 10:34	09/27/23 00:29	88-06-2	
2,3,4,6-Tetrachlorophenol	ND	mg/L	0.0100	0.000231		1	09/26/23 10:34	09/27/23 00:29	58-90-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-18 **Lab ID: 20290113003** Collected: 09/20/23 09:33 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/26/23 10:34	09/27/23 00:29	95-94-3	
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/26/23 10:34	09/28/23 16:54	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/26/23 10:34	09/28/23 16:54	88-85-7	
Surrogates										
2-Fluorophenol (S)	30.9	%	10.0-120			1	09/26/23 10:34	09/27/23 00:29	367-12-4	
Phenol-d5 (S)	23.2	%	10.0-120			1	09/26/23 10:34	09/27/23 00:29	4165-62-2	
Nitrobenzene-d5 (S)	74.1	%	10.0-127			1	09/26/23 10:34	09/27/23 00:29	4165-60-0	
2-Fluorobiphenyl (S)	61.1	%	10.0-130			1	09/26/23 10:34	09/27/23 00:29	321-60-8	
2,4,6-Tribromophenol (S)	56.5	%	10.0-155			1	09/26/23 10:34	09/27/23 00:29	118-79-6	
Terphenyl-d14 (S)	61.0	%	10.0-128			1	09/26/23 10:34	09/27/23 00:29	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 18:52	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 18:52	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 18:52	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 18:52	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 18:52	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 18:52	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 18:52	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 18:52	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 18:52	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 18:52	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 18:52	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 18:52	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 18:52	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 18:52	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 18:52	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 18:52	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 18:52	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 18:52	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 18:52	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 18:52	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 18:52	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 18:52	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 18:52	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 18:52	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 18:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 18:52	108-10-1	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-18 **Lab ID: 20290113003** Collected: 09/20/23 09:33 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 18:52	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 18:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 18:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 18:52	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 18:52	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 18:52	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 18:52	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 18:52	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 18:52	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 18:52	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 18:52	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 18:52	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 18:52	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 18:52	95-47-6	
Surrogates										
Dibromofluoromethane (S)	105	%.	72-126			1		09/26/23 18:52	1868-53-7	
4-Bromofluorobenzene (S)	98	%.	68-124			1		09/26/23 18:52	460-00-4	
Toluene-d8 (S)	102	%.	79-119			1		09/26/23 18:52	2037-26-5	

Sample: TW-19 **Lab ID: 20290113004** Collected: 09/20/23 10:48 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 17:15		G7,ML, P4
Aliphatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 17:15		G7,P4
Aliphatic (>C16-C35)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 17:15	TPHC16C35	G7,P4
Aromatic (>C10-C12)	ND	mg/L	0.150	0.0400		1	10/03/23 16:56	10/05/23 12:21		G7,ML, P4
Aromatic (>C12-C16)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 12:21		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 12:21		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.150	0.0500		1	10/03/23 16:56	10/05/23 12:21		G7,P4
Surrogates										
o-Terphenyl (S)	58.0	%	40.0-140			1	10/03/23 16:56	10/05/23 12:21	84-15-1	
1-Chloro-octadecane (S)	55.5	%	40.0-140			1	10/03/23 16:56	10/05/23 17:15		
2-Fluorobiphenyl (S)	72.0	%	40.0-140			1	10/03/23 16:56	10/05/23 12:21	321-60-8	
2-Bromonaphthalene (S)	71.0	%	40.0-140			1	10/03/23 16:56	10/05/23 12:21	580-13-2	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-19 **Lab ID: 20290113004** Collected: 09/20/23 10:48 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Arsenic	**0.024**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 15:03	7440-38-2	
Barium	**0.52**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 15:03	7440-39-3	
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 15:03	7440-43-9	
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 15:03	7440-47-3	D3
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 15:03	7439-92-1	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 15:03	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 15:03	7440-22-4	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 14:49	7439-97-6	
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Anthracene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/29/23 01:02	120-12-7	R1
Acenaphthene	ND	mg/L	0.0000500	0.0000190		1	09/25/23 22:16	09/29/23 01:02	83-32-9	R1
Acenaphthylene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/29/23 01:02	208-96-8	R1
Benzo(a)anthracene	ND	mg/L	0.0000500	0.0000200		1	09/25/23 22:16	09/29/23 01:02	56-55-3	R1
Benzo(a)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/29/23 01:02	50-32-8	R1
Benzo(b)fluoranthene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/29/23 01:02	205-99-2	
Benzo(k)fluoranthene	ND	mg/L	0.0002500	0.0000200		1	09/25/23 22:16	09/29/23 01:02	207-08-9	
Chrysene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/29/23 01:02	218-01-9	R1
Dibenz(a,h)anthracene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/29/23 01:02	53-70-3	ML
Fluoranthene	ND	mg/L	0.0000500	0.0000110		1	09/25/23 22:16	09/29/23 01:02	206-44-0	R1
Fluorene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/29/23 01:02	86-73-7	R1
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/29/23 01:02	193-39-5	ML
Naphthalene	ND	mg/L	0.000500	0.000128		1	09/25/23 22:16	09/29/23 01:02	91-20-3	R1
Phenanthrene	ND	mg/L	0.0000500	0.0000180		1	09/25/23 22:16	09/29/23 01:02	85-01-8	R1
Pyrene	ND	mg/L	0.0000500	0.0000170		1	09/25/23 22:16	09/29/23 01:02	129-00-0	R1
2-Methylnaphthalene	ND	mg/L	0.000500	0.0000280		1	09/25/23 22:16	09/29/23 01:02	91-57-6	R1
2-Chloronaphthalene	ND	mg/L	0.000500	0.0000120		1	09/25/23 22:16	09/29/23 01:02	91-58-7	R1
Surrogates										
Nitrobenzene-d5 (S)	53.0	%	11.0-135			1	09/25/23 22:16	09/29/23 01:02	4165-60-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-19 **Lab ID: 20290113004** Collected: 09/20/23 10:48 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E-SIM	Analytical Method: EPA 8270E by SIM Preparation Method: 3510C Pace National - Mt. Juliet									
Surrogates										
2-Fluorobiphenyl (S)	41.4	%	32.0-120			1	09/25/23 22:16	09/29/23 01:02	321-60-8	
Terphenyl-d14 (S)	42.4	%	23.0-122			1	09/25/23 22:16	09/29/23 01:02	1718-51-0	

Sample: TW-20 **Lab ID: 20290113005** Collected: 09/20/23 11:41 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
TPH by Method EPH	Analytical Method: EPH Preparation Method: MA DEP/NJ DEP Pace National - Mt. Juliet									
Aliphatic (>C10-C12)	ND	mg/L	0.153	0.0510		1.02	10/03/23 16:56	10/05/23 18:22		G7,P4
Aliphatic (>C12-C16)	ND	mg/L	0.153	0.0510		1.02	10/03/23 16:56	10/05/23 18:22		G7,P4
Aliphatic (>C16-C35)	**0.0569J**	mg/L	0.153	0.0510		1.02	10/03/23 16:56	10/05/23 18:22	TPHC16C35	B,G7,J,P4
Aromatic (>C10-C12)	ND	mg/L	0.153	0.0408		1.02	10/03/23 16:56	10/05/23 13:34		G7,P4
Aromatic (>C12-C16)	ND	mg/L	0.153	0.0510		1.02	10/03/23 16:56	10/05/23 13:34		G7,P4
Aromatic (>C16-C21)	ND	mg/L	0.153	0.0510		1.02	10/03/23 16:56	10/05/23 13:34		G7,P4
Aromatic (>C21-C35)	ND	mg/L	0.153	0.0510		1.02	10/03/23 16:56	10/05/23 13:34		G7,P4
Surrogates										
o-Terphenyl (S)	60.5	%	40.0-140			1.02	10/03/23 16:56	10/05/23 13:34	84-15-1	
1-Chloro-octadecane (S)	65.7	%	40.0-140			1.02	10/03/23 16:56	10/05/23 18:22		
2-Fluorobiphenyl (S)	70.8	%	40.0-140			1.02	10/03/23 16:56	10/05/23 13:34	321-60-8	
2-Bromonaphthalene (S)	69.4	%	40.0-140			1.02	10/03/23 16:56	10/05/23 13:34	580-13-2	
8015/8021 GCV VPH	Analytical Method: MADEP VPH Mod Pace Analytical Services - New Orleans									
Aliphatic (C06-C08)	ND	ug/L	85.0	18.6	3200000	1		09/22/23 22:11		
Aliphatic (>C08-C10)	ND	ug/L	70.0	23.3	150000	1		09/22/23 22:11		
Aromatic (>C08-C10)	ND	ug/L	70.0	6.7	150000	1		09/22/23 22:11		
Surrogates										
4-Bromofluorobenzene (S)	95	%.	63-133			1		09/22/23 22:11	460-00-4	
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Antimony	ND	mg/L	0.0020	0.00068	.006	2	09/25/23 07:55	09/27/23 17:02	7440-36-0	
Arsenic	**0.026**	mg/L	0.0020	0.00020	.01	2	09/25/23 07:55	09/27/23 17:02	7440-38-2	
Barium	**0.37**	mg/L	0.0020	0.0013	2	2	09/25/23 07:55	09/27/23 17:02	7440-39-3	
Beryllium	ND	mg/L	0.0020	0.00042	.004	2	09/25/23 07:55	09/27/23 17:02	7440-41-7	D3
Cadmium	ND	mg/L	0.0020	0.00038	.005	2	09/25/23 07:55	09/27/23 17:02	7440-43-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-20 **Lab ID: 20290113005** Collected: 09/20/23 11:41 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS	Analytical Method: EPA 6020A Preparation Method: EPA 3010 Pace Analytical Services - New Orleans									
Chromium	ND	mg/L	0.0020	0.0013	.1	2	09/25/23 07:55	09/27/23 17:02	7440-47-3	
Cobalt	ND	mg/L	0.0020	0.00024	.22	2	09/25/23 07:55	09/27/23 17:02	7440-48-4	
Copper	ND	mg/L	0.0060	0.0034	1.3	2	09/25/23 07:55	09/27/23 17:02	7440-50-8	
Lead	ND	mg/L	0.0020	0.0014	.015	2	09/25/23 07:55	09/27/23 17:02	7439-92-1	
Nickel	ND	mg/L	0.0020	0.0012	.073	2	09/25/23 07:55	09/27/23 17:02	7440-02-0	
Selenium	ND	mg/L	0.0020	0.00052	.05	2	09/25/23 07:55	09/27/23 17:02	7782-49-2	
Silver	ND	mg/L	0.0010	0.00040	.018	2	09/25/23 07:55	09/27/23 17:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00022	.002	2	09/25/23 07:55	09/27/23 17:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00046	.026	2	09/25/23 07:55	09/27/23 17:02	7440-62-2	
Zinc	ND	mg/L	0.020	0.014	1.1	2	09/25/23 07:55	09/27/23 17:02	7440-66-6	
7470 Mercury	Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - New Orleans									
Mercury	ND	mg/L	0.00020	0.000064		1	09/25/23 09:00	09/25/23 15:01	7439-97-6	
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Acenaphthene	**0.0143**	mg/L	0.00100	0.0000886		1	09/26/23 10:34	09/27/23 00:51	83-32-9	
Acenaphthylene	**0.000141J**	mg/L	0.00100	0.0000921		1	09/26/23 10:34	09/27/23 00:51	208-96-8	J
Anthracene	**0.00358**	mg/L	0.00100	0.0000804		1	09/26/23 10:34	09/27/23 00:51	120-12-7	
Aniline	ND	mg/L	0.0100	0.00165		1	09/26/23 10:34	09/27/23 00:51	62-53-3	
Benzo(a)anthracene	**0.00258**	mg/L	0.00100	0.000199		1	09/26/23 10:34	09/27/23 00:51	56-55-3	
Benzo(b)fluoranthene	**0.00107**	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/27/23 00:51	205-99-2	
Benzo(k)fluoranthene	**0.000357J**	mg/L	0.00100	0.000120		1	09/26/23 10:34	09/27/23 00:51	207-08-9	J
Benzo(a)pyrene	**0.000566J**	mg/L	0.00100	0.0000381		1	09/26/23 10:34	09/27/23 00:51	50-32-8	J
bis(2-Chloroethyl) ether	ND	mg/L	0.0100	0.000137		1	09/26/23 10:34	09/27/23 00:51	111-44-4	
Biphenyl (Diphenyl)	**0.00308J**	mg/L	0.0100	0.000790		1	09/26/23 10:34	09/27/23 00:51	92-52-4	J
2,2'-Oxybis(1-chloropropane)	ND	mg/L	0.0100	0.000210		1	09/26/23 10:34	09/27/23 00:51	108-60-1	
2-Chloronaphthalene	ND	mg/L	0.00100	0.0000648		1	09/26/23 10:34	09/27/23 00:51	91-58-7	
Chrysene	**0.00226**	mg/L	0.00100	0.000130		1	09/26/23 10:34	09/27/23 00:51	218-01-9	
4-Chloroaniline	ND	mg/L	0.0100	0.000234		1	09/26/23 10:34	09/27/23 00:51	106-47-8	
Dibenz(a,h)anthracene	**0.000612J**	mg/L	0.00100	0.0000644		1	09/26/23 10:34	09/27/23 00:51	53-70-3	J
Dibenzofuran	**0.00939J**	mg/L	0.0100	0.0000970		1	09/26/23 10:34	09/27/23 00:51	132-64-9	J
1,2-Dichlorobenzene	ND	mg/L	0.0100	0.0000713		1	09/26/23 10:34	09/27/23 00:51	95-50-1	
1,3-Dichlorobenzene	ND	mg/L	0.0100	0.000132		1	09/26/23 10:34	09/27/23 00:51	541-73-1	
1,4-Dichlorobenzene	ND	mg/L	0.0100	0.0000942		1	09/26/23 10:34	09/27/23 00:51	106-46-7	
3,3'-Dichlorobenzidine	ND	mg/L	0.0100	0.000212		1	09/26/23 10:34	09/27/23 00:51	91-94-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-20 **Lab ID: 20290113005** Collected: 09/20/23 11:41 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
2,4-Dinitrotoluene	ND	mg/L	0.0100	0.0000983		1	09/26/23 10:34	09/27/23 00:51	121-14-2	
2,6-Dinitrotoluene	ND	mg/L	0.0100	0.000250		1	09/26/23 10:34	09/27/23 00:51	606-20-2	
Fluoranthene	**0.0186**	mg/L	0.00100	0.000102		1	09/26/23 10:34	09/27/23 00:51	206-44-0	
Fluorene	**0.00793**	mg/L	0.00100	0.0000844		1	09/26/23 10:34	09/27/23 00:51	86-73-7	
Hexachlorobenzene	ND	mg/L	0.00100	0.0000755		1	09/26/23 10:34	09/27/23 00:51	118-74-1	
Hexachloro-1,3-butadiene	ND	mg/L	0.0100	0.0000968		1	09/26/23 10:34	09/27/23 00:51	87-68-3	
Hexachlorocyclopentadiene	ND	mg/L	0.0100	0.0000598		1	09/26/23 10:34	09/27/23 00:51	77-47-4	
Hexachloroethane	ND	mg/L	0.0100	0.000127		1	09/26/23 10:34	09/27/23 00:51	67-72-1	
Indeno(1,2,3-cd)pyrene	ND	mg/L	0.00100	0.000279		1	09/26/23 10:34	09/27/23 00:51	193-39-5	
Isophorone	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/27/23 00:51	78-59-1	
Naphthalene	**0.00304**	mg/L	0.00100	0.000159		1	09/26/23 10:34	09/27/23 00:51	91-20-3	B
Nitrobenzene	ND	mg/L	0.0100	0.000297		1	09/26/23 10:34	09/27/23 00:51	98-95-3	
2-Methylnaphthalene	**0.00981**	mg/L	0.00100	0.000117		1	09/26/23 10:34	09/27/23 00:51	91-57-6	
2-Nitroaniline	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/27/23 00:51	88-74-4	
3-Nitroaniline	ND	mg/L	0.0100	0.0000869		1	09/26/23 10:34	09/27/23 00:51	99-09-2	
4-Nitroaniline	ND	mg/L	0.0100	0.0000910		1	09/26/23 10:34	09/27/23 00:51	100-01-6	
N-Nitrosodiphenylamine	ND	mg/L	0.0100	0.00237		1	09/26/23 10:34	09/27/23 00:51	86-30-6	
N-Nitroso-di-n-propylamine	ND	mg/L	0.0100	0.000261		1	09/26/23 10:34	09/27/23 00:51	621-64-7	
Phenanthrene	**0.0252**	mg/L	0.00100	0.000112		1	09/26/23 10:34	09/27/23 00:51	85-01-8	
Butylbenzylphthalate	ND	mg/L	0.00300	0.000765		1	09/26/23 10:34	09/27/23 00:51	85-68-7	
bis(2-Ethylhexyl)phthalate	ND	mg/L	0.00300	0.000895		1	09/26/23 10:34	09/27/23 00:51	117-81-7	
Diethylphthalate	ND	mg/L	0.00300	0.000287		1	09/26/23 10:34	09/27/23 00:51	84-66-2	
Dimethylphthalate	ND	mg/L	0.00300	0.000260		1	09/26/23 10:34	09/27/23 00:51	131-11-3	
Di-n-octylphthalate	ND	mg/L	0.00300	0.000932		1	09/26/23 10:34	09/27/23 00:51	117-84-0	
Pyrene	**0.0117**	mg/L	0.00100	0.000107		1	09/26/23 10:34	09/27/23 00:51	129-00-0	
2-Chlorophenol	ND	mg/L	0.0100	0.000133		1	09/26/23 10:34	09/27/23 00:51	95-57-8	
2,4-Dichlorophenol	ND	mg/L	0.0100	0.000102		1	09/26/23 10:34	09/27/23 00:51	120-83-2	
2,4-Dimethylphenol	ND	mg/L	0.0100	0.0000636		1	09/26/23 10:34	09/27/23 00:51	105-67-9	
2,4-Dinitrophenol	ND	mg/L	0.0100	0.00593		1	09/26/23 10:34	09/27/23 00:51	51-28-5	
4-Nitrophenol	ND	mg/L	0.0100	0.000143		1	09/26/23 10:34	09/27/23 00:51	100-02-7	
Pentachlorophenol	**0.00294J**	mg/L	0.0100	0.000313		1	09/26/23 10:34	09/27/23 00:51	87-86-5	J
Phenol	**0.00806J**	mg/L	0.0100	0.00433		1	09/26/23 10:34	09/27/23 00:51	108-95-2	J
2,4,5-Trichlorophenol	ND	mg/L	0.0100	0.000109		1	09/26/23 10:34	09/27/23 00:51	95-95-4	
2,4,6-Trichlorophenol	ND	mg/L	0.0100	0.000100		1	09/26/23 10:34	09/27/23 00:51	88-06-2	
2,3,4,6-Tetrachlorophenol	**0.000446J**	mg/L	0.0100	0.000231		1	09/26/23 10:34	09/27/23 00:51	58-90-2	J
1,2,4,5-Tetrachlorobenzene	ND	mg/L	0.0100	0.0000647		1	09/26/23 10:34	09/27/23 00:51	95-94-3	
1,3-Dinitrobenzene	ND	mg/L	0.0100	0.000359		1	09/26/23 10:34	09/28/23 17:12	99-65-0	
Dinoseb	ND	mg/L	0.0500	0.00801		1	09/26/23 10:34	09/28/23 17:12	88-85-7	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-20 **Lab ID: 20290113005** Collected: 09/20/23 11:41 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
SVOA (GC/MS) 8270E	Analytical Method: EPA 8270E Preparation Method: 3510C Pace National - Mt. Juliet									
Surrogates										
2-Fluorophenol (S)	32.5	%	10.0-120			1	09/26/23 10:34	09/27/23 00:51	367-12-4	
Phenol-d5 (S)	23.0	%	10.0-120			1	09/26/23 10:34	09/27/23 00:51	4165-62-2	
Nitrobenzene-d5 (S)	67.1	%	10.0-127			1	09/26/23 10:34	09/27/23 00:51	4165-60-0	
2-Fluorobiphenyl (S)	56.1	%	10.0-130			1	09/26/23 10:34	09/27/23 00:51	321-60-8	
2,4,6-Tribromophenol (S)	47.6	%	10.0-155			1	09/26/23 10:34	09/27/23 00:51	118-79-6	
Terphenyl-d14 (S)	54.7	%	10.0-128			1	09/26/23 10:34	09/27/23 00:51	1718-51-0	
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
Acetone	ND	mg/L	0.0040	0.0020	.1	1		09/26/23 19:11	67-64-1	
Benzene	ND	mg/L	0.00050	0.00016	.005	1		09/26/23 19:11	71-43-2	
Bromodichloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 19:11	75-27-4	
Bromoform	ND	mg/L	0.0010	0.00058	.1	1		09/26/23 19:11	75-25-2	
Bromomethane	ND	mg/L	0.00050	0.00025	.01	1		09/26/23 19:11	74-83-9	
2-Butanone (MEK)	ND	mg/L	0.0020	0.00050	.19	1		09/26/23 19:11	78-93-3	
Carbon disulfide	ND	mg/L	0.0010	0.00038	.1	1		09/26/23 19:11	75-15-0	
Carbon tetrachloride	ND	mg/L	0.00050	0.000078	.005	1		09/26/23 19:11	56-23-5	
Chlorobenzene	ND	mg/L	0.00050	0.00014	.1	1		09/26/23 19:11	108-90-7	
Chloroethane	ND	mg/L	0.00050	0.00047	.01	1		09/26/23 19:11	75-00-3	
Chloroform	ND	mg/L	0.00050	0.00018	.1	1		09/26/23 19:11	67-66-3	
Chloromethane	ND	mg/L	0.00050	0.00017	.01	1		09/26/23 19:11	74-87-3	
1,2-Dibromo-3-chloropropane	ND	mg/L	0.00020	0.00010	.0002	1		09/26/23 19:11	96-12-8	
Dibromochloromethane	ND	mg/L	0.00050	0.00012	.1	1		09/26/23 19:11	124-48-1	
1,1-Dichloroethane	ND	mg/L	0.00050	0.00021	.081	1		09/26/23 19:11	75-34-3	
1,2-Dichloroethane	ND	mg/L	0.00050	0.00035	.005	1		09/26/23 19:11	107-06-2	
1,1-Dichloroethene	ND	mg/L	0.00050	0.00021	.007	1		09/26/23 19:11	75-35-4	
cis-1,2-Dichloroethene	ND	mg/L	0.0010	0.00035	.07	1		09/26/23 19:11	156-59-2	
trans-1,2-Dichloroethene	ND	mg/L	0.00050	0.00022	.1	1		09/26/23 19:11	156-60-5	
1,2-Dichloropropane	ND	mg/L	0.00050	0.00015	.005	1		09/26/23 19:11	78-87-5	
cis-1,3-Dichloropropene	ND	mg/L	0.00050	0.00018	.005	1		09/26/23 19:11	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/L	0.00050	0.00026	.005	1		09/26/23 19:11	10061-02-6	
Ethylbenzene	ND	mg/L	0.00050	0.00017	.7	1		09/26/23 19:11	100-41-4	
Isobutanol	ND	mg/L	0.050	0.010	1.1	1		09/26/23 19:11	78-83-1	
Methylene Chloride	ND	mg/L	0.00050	0.00050	.005	1		09/26/23 19:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/L	0.0010	0.00064	.2	1		09/26/23 19:11	108-10-1	
Methyl-tert-butyl ether	ND	mg/L	0.00050	0.00016	.02	1		09/26/23 19:11	1634-04-4	
Styrene	ND	mg/L	0.0010	0.00014	.1	1		09/26/23 19:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/L	0.0010	0.00012	.005	1		09/26/23 19:11	630-20-6	

REPORT OF LABORATORY ANALYSIS

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(504)469-0333

ANALYTICAL RESULTS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Sample: TW-20 **Lab ID: 20290113005** Collected: 09/20/23 11:41 Received: 09/20/23 14:46 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	Reg. Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Low Level	Analytical Method: EPA 5030B/8260 Pace Analytical Services - New Orleans									
1,1,2,2-Tetrachloroethane	ND	mg/L	0.00050	0.00024	.0005	1		09/26/23 19:11	79-34-5	
Tetrachloroethene	ND	mg/L	0.00050	0.00014	.005	1		09/26/23 19:11	127-18-4	
Toluene	ND	mg/L	0.00050	0.00017	1	1		09/26/23 19:11	108-88-3	
1,2,4-Trichlorobenzene	ND	mg/L	0.0020	0.0011	.07	1		09/26/23 19:11	120-82-1	
1,1,1-Trichloroethane	ND	mg/L	0.00050	0.00017	.2	1		09/26/23 19:11	71-55-6	
1,1,2-Trichloroethane	ND	mg/L	0.00050	0.00027	.005	1		09/26/23 19:11	79-00-5	
Trichloroethene	ND	mg/L	0.00050	0.00021	.005	1		09/26/23 19:11	79-01-6	
Trichlorofluoromethane	ND	mg/L	0.0010	0.00058	.13	1		09/26/23 19:11	75-69-4	
Vinyl chloride	ND	mg/L	0.00050	0.00016	.002	1		09/26/23 19:11	75-01-4	
m&p-Xylene	ND	mg/L	0.0020	0.00024	10	1		09/26/23 19:11	179601-23-1	
o-Xylene	ND	mg/L	0.0010	0.00015	10	1		09/26/23 19:11	95-47-6	
Surrogates										
Dibromofluoromethane (S)	102	%.	72-126			1		09/26/23 19:11	1868-53-7	
4-Bromofluorobenzene (S)	99	%.	68-124			1		09/26/23 19:11	460-00-4	
Toluene-d8 (S)	103	%.	79-119			1		09/26/23 19:11	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

QC Batch: 2144707 | Analysis Method: EPH
QC Batch Method: MA DEP/NJ DEP | Analysis Description: TPH by Method EPH
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20290113001, 20290113002, 20290113003, 20290113004, 20290113005

METHOD BLANK: R3982305-1 Matrix: Water
Associated Lab Samples: 20290113001, 20290113002, 20290113003, 20290113004, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aromatic (>C10-C12)	mg/L	ND	0.150	0.0400	10/04/23 22:51	
Aromatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/04/23 22:51	
Aromatic (>C16-C21)	mg/L	ND	0.150	0.0500	10/04/23 22:51	
Aromatic (>C21-C35)	mg/L	ND	0.150	0.0500	10/04/23 22:51	
o-Terphenyl (S)	%	50.5	40.0-140		10/04/23 22:51	
2-Fluorobiphenyl (S)	%	70.5	40.0-140		10/04/23 22:51	
2-Bromonaphthalene (S)	%	71.5	40.0-140		10/04/23 22:51	

METHOD BLANK: R3982669-3 Matrix: Water
Associated Lab Samples: 20290113001, 20290113002, 20290113003, 20290113004, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C10-C12)	mg/L	ND	0.150	0.0500	10/05/23 12:44	
Aliphatic (>C12-C16)	mg/L	ND	0.150	0.0500	10/05/23 12:44	
Aliphatic (>C16-C35)	mg/L	0.0720J	0.150	0.0500	10/05/23 12:44	J
1-Chloro-octadecane (S)	%	61.7	40.0-140		10/05/23 12:44	

LABORATORY CONTROL SAMPLE & LCSD: R3982305-2 R3982305-3

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aromatic (>C10-C12)	mg/L	0.100	0.0440	0.0520	44.0	52.0	40.0-140	17.0	50	
Aromatic (>C12-C16)	mg/L	0.300	0.130	0.160	43.0	53.0	40.0-140	21.0	50	
Aromatic (>C16-C21)	mg/L	0.500	0.290	0.330	58.0	66.0	40.0-140	13.0	50	
Aromatic (>C21-C35)	mg/L	0.800	0.470	0.530	59.0	66.0	40.0-140	12.0	50	
o-Terphenyl (S)	%				60.0	67.3	40.0-140			
2-Fluorobiphenyl (S)	%				72.8	74.8	40.0-140			
2-Bromonaphthalene (S)	%				71.8	74.5	40.0-140			

LABORATORY CONTROL SAMPLE & LCSD: R3982669-1 R3982669-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Aliphatic (>C10-C12)	mg/L	0.100	0.0440	0.0610	44.0	61.0	40.0-140	32.0	50	
Aliphatic (>C12-C16)	mg/L	0.200	0.120	0.170	60.0	85.0	40.0-140	35.0	50	
Aliphatic (>C16-C35)	mg/L	0.800	0.590	0.780	74.0	98.0	40.0-140	28.0	50	
1-Chloro-octadecane (S)	%				61.3	81.5	40.0-140			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3982305-4 R3982305-5

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aromatic (>C10-C12)	mg/L	ND	0.0990	0.0990	ND	0.0440	38.0	44.0	40.0-140	15.0	50	ML
Aromatic (>C12-C16)	mg/L	ND	0.300	0.300	0.120	0.130	40.0	44.0	40.0-140	8.00	50	
Aromatic (>C16-C21)	mg/L	ND	0.500	0.500	0.240	0.260	49.0	53.0	40.0-140	8.00	50	
Aromatic (>C21-C35)	mg/L	ND	0.790	0.790	0.370	0.390	47.0	49.0	40.0-140	5.30	50	
o-Terphenyl (S)	%						57.8	58.3	40.0-140			
2-Fluorobiphenyl (S)	%						68.9	74.7	40.0-140			
2-Bromonaphthalene (S)	%						67.4	74.5	40.0-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3982669-4 R3982669-5

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C10-C12)	mg/L	ND	0.0990	0.0990	ND	0.0530	39.0	54.0	40.0-140	30.0	50	ML
Aliphatic (>C12-C16)	mg/L	ND	0.200	0.200	0.110	0.140	56.0	71.0	40.0-140	24.0	50	
Aliphatic (>C16-C35)	mg/L	ND	0.790	0.790	0.510	0.600	64.0	76.0	40.0-140	16.0	50	
1-Chloro-octadecane (S)	%						59.3	68.7	40.0-140			

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

QC Batch: 300278
QC Batch Method: MADEP VPH Mod
Analysis Method: MADEP VPH Mod
Analysis Description: 8015WM VPH
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290113003, 20290113005

METHOD BLANK: 1437815 Matrix: Water
Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Aliphatic (>C08-C10)	ug/L	ND	70.0	23.3	09/22/23 16:07	
Aliphatic (C06-C08)	ug/L	ND	85.0	18.6	09/22/23 16:07	
Aromatic (>C08-C10)	ug/L	ND	70.0	6.7	09/22/23 16:07	
4-Bromofluorobenzene (S)	%.	94	63-133		09/22/23 16:07	

LABORATORY CONTROL SAMPLE: 1437816

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Aliphatic (>C08-C10)	ug/L	280	270	96	72-127	
Aliphatic (C06-C08)	ug/L	280	282	101	77-144	
Aromatic (>C08-C10)	ug/L	280	278	99	78-134	
4-Bromofluorobenzene (S)	%.			97	63-133	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1437817 1437818

Parameter	Units	20289651001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Aliphatic (>C08-C10)	ug/L	ND	280	280	231	322	80	113	10-171	33	20	R1
Aliphatic (C06-C08)	ug/L	ND	280	280	256	352	89	123	10-160	31	20	R1
Aromatic (>C08-C10)	ug/L	ND	280	280	240	334	86	119	10-160	33	20	R1
4-Bromofluorobenzene (S)	%.						102	100	63-133			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

QC Batch: 300450 | Analysis Method: EPA 7470
QC Batch Method: EPA 7470 | Analysis Description: 7470 Mercury
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290113001, 20290113002, 20290113003, 20290113004, 20290113005

METHOD BLANK: 1438758 Matrix: Water
Associated Lab Samples: 20290113001, 20290113002, 20290113003, 20290113004, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Mercury	mg/L	ND	0.00020	0.000064	09/25/23 13:56	

LABORATORY CONTROL SAMPLE: 1438759

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/L	0.001	0.0011	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438772 1438773

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/L	ND	0.001	0.001	0.0010	0.0010	104	102	75-125	2	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

QC Batch: 300443
QC Batch Method: EPA 3010
Analysis Method: EPA 6020A
Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290113001, 20290113002, 20290113003, 20290113004, 20290113005

METHOD BLANK: 1438728 Matrix: Water
Associated Lab Samples: 20290113001, 20290113002, 20290113003, 20290113004, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0010	0.00034	09/27/23 14:08	
Arsenic	mg/L	ND	0.0010	0.00010	09/27/23 14:08	
Barium	mg/L	ND	0.0010	0.00064	09/27/23 14:08	
Beryllium	mg/L	ND	0.0010	0.00021	09/27/23 14:08	
Cadmium	mg/L	ND	0.0010	0.00019	09/27/23 14:08	
Chromium	mg/L	ND	0.0010	0.00063	09/27/23 14:08	
Cobalt	mg/L	ND	0.0010	0.00012	09/27/23 14:08	
Copper	mg/L	ND	0.0030	0.0017	09/27/23 14:08	
Lead	mg/L	ND	0.0010	0.00069	09/27/23 14:08	
Nickel	mg/L	ND	0.0010	0.00062	09/27/23 14:08	
Selenium	mg/L	ND	0.0010	0.00026	09/27/23 14:08	
Silver	mg/L	ND	0.00050	0.00020	09/27/23 14:08	
Thallium	mg/L	ND	0.00050	0.00011	09/27/23 14:08	
Vanadium	mg/L	ND	0.0050	0.00023	09/27/23 14:08	
Zinc	mg/L	ND	0.010	0.0072	09/27/23 14:08	

LABORATORY CONTROL SAMPLE: 1438729

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.06	0.058	97	85-115	
Arsenic	mg/L	0.06	0.059	98	85-115	
Barium	mg/L	0.06	0.057	95	85-115	
Beryllium	mg/L	0.06	0.063	106	84-115	
Cadmium	mg/L	0.06	0.055	91	85-115	
Chromium	mg/L	0.06	0.058	96	85-115	
Cobalt	mg/L	0.06	0.060	101	85-115	
Copper	mg/L	0.06	0.058	97	85-116	
Lead	mg/L	0.06	0.057	95	85-115	
Nickel	mg/L	0.06	0.060	101	85-115	
Selenium	mg/L	0.06	0.058	97	85-115	
Silver	mg/L	0.03	0.029	96	85-115	
Thallium	mg/L	0.03	0.029	95	85-115	
Vanadium	mg/L	0.06	0.058	97	85-115	
Zinc	mg/L	0.06	0.061	101	85-121	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1438730 1438731

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/L	ND	0.06	0.06	0.062	0.062	103	102	80-120	1	20	
Arsenic	mg/L	0.024	0.06	0.06	0.086	0.085	103	101	80-120	1	20	
Barium	mg/L	0.52	0.06	0.06	0.58	0.58	96	102	80-120	1	20	
Beryllium	mg/L	ND	0.06	0.06	0.067	0.066	111	109	80-120	2	20	
Cadmium	mg/L	ND	0.06	0.06	0.057	0.056	95	94	80-120	2	20	
Chromium	mg/L	ND	0.06	0.06	0.060	0.060	99	99	80-120	0	20	
Cobalt	mg/L	ND	0.06	0.06	0.062	0.061	103	102	80-120	1	20	
Copper	mg/L	ND	0.06	0.06	0.060	0.059	99	98	80-120	1	20	
Lead	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	0	20	
Nickel	mg/L	0.0018J	0.06	0.06	0.063	0.063	103	102	80-120	0	20	
Selenium	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	0	20	
Silver	mg/L	ND	0.03	0.03	0.029	0.029	98	98	80-120	0	20	
Thallium	mg/L	ND	0.03	0.03	0.031	0.030	102	100	80-120	2	20	
Vanadium	mg/L	ND	0.06	0.06	0.061	0.061	101	101	80-120	1	20	
Zinc	mg/L	ND	0.06	0.06	0.062	0.062	97	97	80-120	0	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

QC Batch: 2138352
QC Batch Method: 3510C
Analysis Method: EPA 8270E
Analysis Description: SVOA (GC/MS) 8270E
Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 20290113003, 20290113005

METHOD BLANK: R3978315-2 Matrix: Water

Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Acenaphthene	mg/L	0.000142J	0.00100	0.0000886	09/26/23 18:28	J
Acenaphthylene	mg/L	ND	0.00100	0.0000921	09/26/23 18:28	
Anthracene	mg/L	ND	0.00100	0.0000804	09/26/23 18:28	
Aniline	mg/L	ND	0.0100	0.00165	09/26/23 18:28	
Benzo(a)anthracene	mg/L	ND	0.00100	0.000199	09/26/23 18:28	
Benzo(b)fluoranthene	mg/L	ND	0.00100	0.000130	09/26/23 18:28	
Benzo(k)fluoranthene	mg/L	ND	0.00100	0.000120	09/26/23 18:28	
Benzo(a)pyrene	mg/L	ND	0.00100	0.0000381	09/26/23 18:28	
bis(2-Chloroethyl) ether	mg/L	ND	0.0100	0.000137	09/26/23 18:28	
Biphenyl (Diphenyl)	mg/L	ND	0.0100	0.000790	09/26/23 18:28	
2,2'-Oxybis(1-chloropropane)	mg/L	ND	0.0100	0.000210	09/26/23 18:28	
2-Chloronaphthalene	mg/L	ND	0.00100	0.0000648	09/26/23 18:28	
Chrysene	mg/L	ND	0.00100	0.000130	09/26/23 18:28	
4-Chloroaniline	mg/L	ND	0.0100	0.000234	09/26/23 18:28	
Dibenz(a,h)anthracene	mg/L	ND	0.00100	0.0000644	09/26/23 18:28	
Dibenzofuran	mg/L	ND	0.0100	0.0000970	09/26/23 18:28	
1,2-Dichlorobenzene	mg/L	ND	0.0100	0.0000713	09/26/23 18:28	
1,3-Dichlorobenzene	mg/L	ND	0.0100	0.000132	09/26/23 18:28	
1,4-Dichlorobenzene	mg/L	ND	0.0100	0.0000942	09/26/23 18:28	
3,3'-Dichlorobenzidine	mg/L	ND	0.0100	0.000212	09/26/23 18:28	
2,4-Dinitrotoluene	mg/L	ND	0.0100	0.0000983	09/26/23 18:28	
2,6-Dinitrotoluene	mg/L	ND	0.0100	0.000250	09/26/23 18:28	
Fluoranthene	mg/L	0.000187J	0.00100	0.000102	09/26/23 18:28	J
Fluorene	mg/L	ND	0.00100	0.0000844	09/26/23 18:28	
Hexachlorobenzene	mg/L	ND	0.00100	0.0000755	09/26/23 18:28	
Hexachloro-1,3-butadiene	mg/L	ND	0.0100	0.0000968	09/26/23 18:28	
Hexachlorocyclopentadiene	mg/L	ND	0.0100	0.0000598	09/26/23 18:28	
Hexachloroethane	mg/L	ND	0.0100	0.000127	09/26/23 18:28	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.00100	0.000279	09/26/23 18:28	
Isophorone	mg/L	ND	0.0100	0.000143	09/26/23 18:28	
Naphthalene	mg/L	0.000387J	0.00100	0.000159	09/26/23 18:28	J
Nitrobenzene	mg/L	ND	0.0100	0.000297	09/26/23 18:28	
2-Methylnaphthalene	mg/L	0.000221J	0.00100	0.000117	09/26/23 18:28	J
2-Nitroaniline	mg/L	ND	0.0100	0.000102	09/26/23 18:28	
3-Nitroaniline	mg/L	ND	0.0100	0.0000869	09/26/23 18:28	
4-Nitroaniline	mg/L	ND	0.0100	0.0000910	09/26/23 18:28	
N-Nitrosodiphenylamine	mg/L	ND	0.0100	0.00237	09/26/23 18:28	
N-Nitroso-di-n-propylamine	mg/L	ND	0.0100	0.000261	09/26/23 18:28	
Phenanthrene	mg/L	0.000209J	0.00100	0.000112	09/26/23 18:28	J
Butylbenzylphthalate	mg/L	ND	0.00300	0.000765	09/26/23 18:28	

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REPORT OF LABORATORY ANALYSIS

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(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

METHOD BLANK: R3978315-2 Matrix: Water
Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
bis(2-Ethylhexyl)phthalate	mg/L	ND	0.00300	0.000895	09/26/23 18:28	
Diethylphthalate	mg/L	ND	0.00300	0.000287	09/26/23 18:28	
Dimethylphthalate	mg/L	ND	0.00300	0.000260	09/26/23 18:28	
Di-n-octylphthalate	mg/L	ND	0.00300	0.000932	09/26/23 18:28	
Pyrene	mg/L	0.000110J	0.00100	0.000107	09/26/23 18:28	J
2-Chlorophenol	mg/L	ND	0.0100	0.000133	09/26/23 18:28	
2,4-Dichlorophenol	mg/L	ND	0.0100	0.000102	09/26/23 18:28	
2,4-Dimethylphenol	mg/L	ND	0.0100	0.0000636	09/26/23 18:28	
2,4-Dinitrophenol	mg/L	ND	0.0100	0.00593	09/26/23 18:28	
4-Nitrophenol	mg/L	ND	0.0100	0.000143	09/26/23 18:28	
Pentachlorophenol	mg/L	ND	0.0100	0.000313	09/26/23 18:28	
Phenol	mg/L	ND	0.0100	0.00433	09/26/23 18:28	
2,4,5-Trichlorophenol	mg/L	ND	0.0100	0.000109	09/26/23 18:28	
2,4,6-Trichlorophenol	mg/L	ND	0.0100	0.000100	09/26/23 18:28	
2,3,4,6-Tetrachlorophenol	mg/L	ND	0.0100	0.000231	09/26/23 18:28	
1,2,4,5-Tetrachlorobenzene	mg/L	ND	0.0100	0.0000647	09/26/23 18:28	
2-Fluorophenol (S)	%	28.3	10.0-120		09/26/23 18:28	
Phenol-d5 (S)	%	21.5	10.0-120		09/26/23 18:28	
Nitrobenzene-d5 (S)	%	55	10.0-127		09/26/23 18:28	
2-Fluorobiphenyl (S)	%	46.4	10.0-130		09/26/23 18:28	
2,4,6-Tribromophenol (S)	%	45.4	10.0-155		09/26/23 18:28	
Terphenyl-d14 (S)	%	65.1	10.0-128		09/26/23 18:28	

METHOD BLANK: R3979257-2 Matrix: Water
Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,3-Dinitrobenzene	mg/L	ND	0.0100	0.000359	09/28/23 08:33	
Dinoseb	mg/L	ND	0.0500	0.00801	09/28/23 08:33	

LABORATORY CONTROL SAMPLE: R3978315-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	mg/L	0.0500	0.0505	101	41.0-120	
Acenaphthylene	mg/L	0.0500	0.0446	89.2	43.0-120	
Anthracene	mg/L	0.0500	0.0478	95.6	45.0-120	
Aniline	mg/L	0.0500	0.0224	44.8	13.0-120	
Benzo(a)anthracene	mg/L	0.0500	0.0484	96.8	47.0-120	
Benzo(b)fluoranthene	mg/L	0.0500	0.0470	94.0	46.0-120	
Benzo(k)fluoranthene	mg/L	0.0500	0.0451	90.2	46.0-120	
Benzo(a)pyrene	mg/L	0.0500	0.0467	93.4	47.0-120	
bis(2-Chloroethyl) ether	mg/L	0.0500	0.0513	103	23.0-120	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

LABORATORY CONTROL SAMPLE: R3978315-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Biphenyl (Diphenyl)	mg/L	0.0500	0.0477	95.4	38.0-120	
2,2'-Oxybis(1-chloropropane)	mg/L	0.0500	0.0437	87.4	28.0-120	
2-Chloronaphthalene	mg/L	0.0500	0.0399	79.8	37.0-120	
Chrysene	mg/L	0.0500	0.0470	94.0	48.0-120	
4-Chloroaniline	mg/L	0.0500	0.0308	61.6	25.0-120	
Dibenz(a,h)anthracene	mg/L	0.0500	0.0470	94.0	47.0-120	
Dibenzofuran	mg/L	0.0500	0.0474	94.8	44.0-120	
1,2-Dichlorobenzene	mg/L	0.0500	0.0370	74.0	20.0-120	
1,3-Dichlorobenzene	mg/L	0.0500	0.0367	73.4	17.0-120	
1,4-Dichlorobenzene	mg/L	0.0500	0.0372	74.4	18.0-120	
3,3'-Dichlorobenzidine	mg/L	0.100	0.0842	84.2	44.0-120	
2,4-Dinitrotoluene	mg/L	0.0500	0.0539	108	49.0-124	
2,6-Dinitrotoluene	mg/L	0.0500	0.0496	99.2	46.0-120	
Fluoranthene	mg/L	0.0500	0.0544	109	51.0-120	
Fluorene	mg/L	0.0500	0.0490	98.0	47.0-120	
Hexachlorobenzene	mg/L	0.0500	0.0444	88.8	44.0-120	
Hexachloro-1,3-butadiene	mg/L	0.0500	0.0289	57.8	19.0-120	
Hexachlorocyclopentadiene	mg/L	0.0500	0.0252	50.4	15.0-120	
Hexachloroethane	mg/L	0.0500	0.0378	75.6	15.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.0500	0.0424	84.8	49.0-122	
Isophorone	mg/L	0.0500	0.0414	82.8	36.0-120	
Naphthalene	mg/L	0.0500	0.0416	83.2	27.0-120	
Nitrobenzene	mg/L	0.0500	0.0383	76.6	27.0-120	
2-Methylnaphthalene	mg/L	0.0500	0.0418	83.6	33.0-120	
2-Nitroaniline	mg/L	0.0500	0.0550	110	43.0-120	
3-Nitroaniline	mg/L	0.0500	0.0467	93.4	38.0-120	
4-Nitroaniline	mg/L	0.0500	0.0500	100	18.0-160	
N-Nitrosodiphenylamine	mg/L	0.0500	0.0460	92.0	47.0-120	
N-Nitroso-di-n-propylamine	mg/L	0.0500	0.0507	101	31.0-120	
Phenanthrene	mg/L	0.0500	0.0547	109	46.0-120	
Butylbenzylphthalate	mg/L	0.0500	0.0547	109	43.0-121	
bis(2-Ethylhexyl)phthalate	mg/L	0.0500	0.0502	100	43.0-122	
Diethylphthalate	mg/L	0.0500	0.0528	106	48.0-122	
Dimethylphthalate	mg/L	0.0500	0.0491	98.2	48.0-120	
Di-n-octylphthalate	mg/L	0.0500	0.0518	104	42.0-125	
Pyrene	mg/L	0.0500	0.0486	97.2	47.0-120	
2-Chlorophenol	mg/L	0.0500	0.0377	75.4	25.0-120	
2,4-Dichlorophenol	mg/L	0.0500	0.0341	68.2	36.0-120	
2,4-Dimethylphenol	mg/L	0.0500	0.0405	81.0	33.0-120	
2,4-Dinitrophenol	mg/L	0.0500	0.0553	111	10.0-120	
4-Nitrophenol	mg/L	0.0500	0.0219	43.8	10.0-120	
Pentachlorophenol	mg/L	0.0500	0.0376	75.2	23.0-120	
Phenol	mg/L	0.0500	0.0199	39.8	10.0-120	
2,4,5-Trichlorophenol	mg/L	0.0500	0.0460	92.0	44.0-120	
2,4,6-Trichlorophenol	mg/L	0.0500	0.0427	85.4	42.0-120	
2,3,4,6-Tetrachlorophenol	mg/L	0.0500	0.0488	97.6	42.0-132	
1,2,4,5-Tetrachlorobenzene	mg/L	0.0500	0.0388	77.6	31.0-121	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

LABORATORY CONTROL SAMPLE: R3978315-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Fluorophenol (S)	%			51.0	10.0-120	
Phenol-d5 (S)	%			36.6	10.0-120	
Nitrobenzene-d5 (S)	%			79.7	10.0-127	
2-Fluorobiphenyl (S)	%			84.2	10.0-130	
2,4,6-Tribromophenol (S)	%			85.0	10.0-155	
Terphenyl-d14 (S)	%			91.9	10.0-128	

LABORATORY CONTROL SAMPLE: R3979257-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dinitrobenzene	mg/L	0.0500	0.0383	76.6	34.0-120	
Dinoseb	mg/L	0.0500	0.0421	84.2	39.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3979387-1 R3979387-2

Parameter	Units	L1658278-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	mg/L	974	0.0500	0.0500	939	895	0.00	0.00	28.0-120	4.80	25	P6
Acenaphthylene	mg/L	13.2	0.0500	0.0500	13.5	12.5	600	0.00	31.0-121	7.69	25	P6
Anthracene	mg/L	296	0.0500	0.0500	278	250	0.00	0.00	36.0-120	10.6	23	P6
Aniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	39	P6
Benzo(a)anthracene	mg/L	165	0.0500	0.0500	152	146	0.00	0.00	39.0-120	4.03	23	P6
Benzo(b)fluoranthene	mg/L	76.4	0.0500	0.0500	65.8	64.0	0.00	0.00	37.0-120	2.77	23	P6
Benzo(k)fluoranthene	mg/L	23.0	0.0500	0.0500	21.9	20.3	0.00	0.00	37.0-120	7.58	26	P6
Benzo(a)pyrene	mg/L	43.5	0.0500	0.0500	38.1	33.5	0.00	0.00	37.0-120	12.8	24	P6
bis(2-Chloroethyl) ether	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	14.0-120	0.00	33	ML
Biphenyl (Diphenyl)	mg/L	299	0.0500	0.0500	273	269	0.00	0.00	29.0-120	1.48	33	P6
2,2'-Oxybis(1-chloropropane)	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	18.0-120	0.00	34	ML
2-Chloronaphthalene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	29.0-120	0.00	28	ML
Chrysene	mg/L	143	0.0500	0.0500	149	111	12000	0.00	38.0-120	29.2	23	P6,R1
4-Chloroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	31	ML
Dibenz(a,h)anthracene	mg/L	3.29	0.0500	0.0500	4.48	3.53	2380	480	36.0-121	23.7	24	P6
Dibenzofuran	mg/L	758	0.0500	0.0500	730	691	0.00	0.00	32.0-120	5.49	26	P6
1,2-Dichlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	18.0-120	0.00	40	ML
1,3-Dichlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	15.0-120	0.00	40	ML
1,4-Dichlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	17.0-120	0.00	40	ML
3,3'-Dichlorobenzidine	mg/L	ND	0.100	0.100	ND	ND	0.00	0.00	10.0-134	0.00	30	ML
2,4-Dinitrotoluene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	39.0-125	0.00	25	ML
2,6-Dinitrotoluene	mg/L	ND	0.0500	0.0500	ND	6.97	0.00	13900	36.0-120	200	27	MH,ML,R1
Fluoranthene	mg/L	1130	0.0500	0.0500	1050	957	0.00	0.00	41.0-121	9.27	22	P6
Fluorene	mg/L	612	0.0500	0.0500	579	551	0.00	0.00	37.0-120	4.96	24	P6
Hexachlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	35.0-122	0.00	24	ML

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3979387-1 R3979387-2

Parameter	Units	L1658278-01 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Hexachloro-1,3-butadiene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	12.0-120	0.00	34	ML
Hexachlorocyclopentadiene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	33	ML
Hexachloroethane	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
Indeno(1,2,3-cd)pyrene	mg/L	12.4	0.0500	0.0500	11.5	10.8	0.00	0.00	38.0-125	6.28	24	P6
Isophorone	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	21.0-120	0.00	27	ML
Naphthalene	mg/L	1150	0.0500	0.0500	1060	1010	0.00	0.00	10.0-120	4.83	31	P6
Nitrobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	12.0-120	0.00	30	ML
2-Methylnaphthalene	mg/L	1300	0.0500	0.0500	1210	1170	0.00	0.00	17.0-120	3.36	28	P6
2-Nitroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	33.0-120	0.00	27	ML
3-Nitroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	20.0-120	0.00	27	ML
4-Nitroaniline	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-160	0.00	26	ML
N-Nitrosodiphenylamine	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	37.0-120	0.00	24	ML
N-Nitroso-di-n-propylamine	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	16.0-120	0.00	30	ML
Phenanthrene	mg/L	1390	0.0500	0.0500	1280	1200	0.00	0.00	33.0-120	6.45	22	P6
Butylbenzylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	34.0-126	0.00	24	ML
bis(2-Ethylhexyl)phthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	33.0-126	0.00	25	ML
Diethylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	39.0-125	0.00	24	ML
Dimethylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	37.0-120	0.00	24	ML
Di-n-octylphthalate	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	25.0-135	0.00	26	ML
Pyrene	mg/L	689	0.0500	0.0500	621	581	0.00	0.00	39.0-120	6.66	22	P6
2-Chlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	18.0-120	0.00	34	ML
2,4-Dichlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	19.0-120	0.00	27	ML
2,4-Dimethylphenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	15.0-120	0.00	28	ML
2,4-Dinitrophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
4-Nitrophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
Pentachlorophenol	mg/L	118	0.0500	0.0500	108	65.2	0.00	0.00	10.0-128	49.4	37	P6,R1
Phenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	10.0-120	0.00	40	ML
2,4,5-Trichlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	33.0-120	0.00	31	P6
2,4,6-Trichlorophenol	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	26.0-120	0.00	31	ML
2,3,4,6-Tetrachlorophenol	mg/L	25.8	0.0500	0.0500	19.1	16.1	0.00	0.00	17.0-142	17.0	34	P6
1,2,4,5-Tetrachlorobenzene	mg/L	ND	0.0500	0.0500	ND	ND	0.00	0.00	19.0-122	0.00	32	ML
2-Fluorophenol (S)	%						0.00	0.00	10.0-120			S4
Phenol-d5 (S)	%						0.00	0.00	10.0-120			S4
Nitrobenzene-d5 (S)	%						0.00	0.00	10.0-127			S4
2-Fluorobiphenyl (S)	%						0.00	0.00	10.0-130			S4
2,4,6-Tribromophenol (S)	%						0.00	0.00	10.0-155			S4
Terphenyl-d14 (S)	%						0.00	0.00	10.0-128			S4

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

QC Batch: 2138645
QC Batch Method: 3510C
Analysis Method: EPA 8270E by SIM
Analysis Description: SVOA (GC/MS) 8270E-SIM
Laboratory: Pace National - Mt. Juliet
Associated Lab Samples: 20290113001, 20290113002, 20290113004

METHOD BLANK: R3978990-2 Matrix: Water
Associated Lab Samples: 20290113001, 20290113002, 20290113004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Anthracene	mg/L	ND	0.0000500	0.0000190	09/26/23 13:56	
Acenaphthene	mg/L	ND	0.0000500	0.0000190	09/26/23 13:56	
Acenaphthylene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
Benzo(a)anthracene	mg/L	ND	0.0000500	0.0000200	09/26/23 13:56	
Benzo(a)pyrene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Benzo(b)fluoranthene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
Benzo(k)fluoranthene	mg/L	ND	0.000250	0.0000200	09/26/23 13:56	
Chrysene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Dibenz(a,h)anthracene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Fluoranthene	mg/L	ND	0.0000500	0.0000110	09/26/23 13:56	
Fluorene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Naphthalene	mg/L	ND	0.000500	0.000128	09/26/23 13:56	
Phenanthrene	mg/L	ND	0.0000500	0.0000180	09/26/23 13:56	
Pyrene	mg/L	ND	0.0000500	0.0000170	09/26/23 13:56	
2-Methylnaphthalene	mg/L	ND	0.000500	0.0000280	09/26/23 13:56	
2-Chloronaphthalene	mg/L	ND	0.000500	0.0000120	09/26/23 13:56	
Nitrobenzene-d5 (S)	%	71	11.0-135		09/26/23 13:56	
2-Fluorobiphenyl (S)	%	72	32.0-120		09/26/23 13:56	
Terphenyl-d14 (S)	%	70	23.0-122		09/26/23 13:56	

LABORATORY CONTROL SAMPLE: R3978990-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Anthracene	mg/L	0.00200	0.00137	68.5	43.0-127	
Acenaphthene	mg/L	0.00200	0.00140	70.0	42.0-120	
Acenaphthylene	mg/L	0.00200	0.00145	72.5	43.0-120	
Benzo(a)anthracene	mg/L	0.00200	0.00134	67.0	46.0-120	
Benzo(a)pyrene	mg/L	0.00200	0.00135	67.5	44.0-122	
Benzo(b)fluoranthene	mg/L	0.00200	0.00125	62.5	43.0-122	
Benzo(k)fluoranthene	mg/L	0.00200	0.00122	61.0	39.0-128	
Chrysene	mg/L	0.00200	0.00137	68.5	42.0-129	
Dibenz(a,h)anthracene	mg/L	0.00200	0.000959	48.0	25.0-139	
Fluoranthene	mg/L	0.00200	0.00157	78.5	48.0-131	
Fluorene	mg/L	0.00200	0.00153	76.5	42.0-120	
Indeno(1,2,3-cd)pyrene	mg/L	0.00200	0.00118	59.0	37.0-133	
Naphthalene	mg/L	0.00200	0.00139	69.5	30.0-120	
Phenanthrene	mg/L	0.00200	0.00139	69.5	42.0-120	
Pyrene	mg/L	0.00200	0.00145	72.5	38.0-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

LABORATORY CONTROL SAMPLE: R3978990-1

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2-Methylnaphthalene	mg/L	0.00200	0.00150	75.0	40.0-120	
2-Chloronaphthalene	mg/L	0.00200	0.00143	71.5	39.0-120	
Nitrobenzene-d5 (S)	%			74.5	11.0-135	
2-Fluorobiphenyl (S)	%			73.5	32.0-120	
Terphenyl-d14 (S)	%			67.5	23.0-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3979426-1 R3979426-2

Parameter	Units	20290113004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Anthracene	mg/L	ND	0.00200	0.00200	0.00109	0.000776	54.5	38.8	28.0-120	33.7	25	R1
Acenaphthene	mg/L	ND	0.00200	0.00200	0.00126	0.000879	63.0	43.9	16.0-120	35.6	25	R1
Acenaphthylene	mg/L	ND	0.00200	0.00200	0.00126	0.000884	63.0	44.2	16.0-121	35.1	26	R1
Benzo(a)anthracene	mg/L	ND	0.00200	0.00200	0.000747	0.000523	37.3	26.1	19.0-125	35.3	26	R1
Benzo(a)pyrene	mg/L	ND	0.00200	0.00200	0.000371	0.000267	18.5	13.3	10.0-126	32.6	32	R1
Benzo(b)fluoranthene	mg/L	ND	0.00200	0.00200	0.000392	0.000287	19.6	14.4	10.0-125	30.9	36	
Benzo(k)fluoranthene	mg/L	ND	0.00200	0.00200	0.000456	0.000348	22.8	17.4	10.0-124	26.9	32	
Chrysene	mg/L	ND	0.00200	0.00200	0.000886	0.000640	44.3	32.0	18.0-127	32.2	26	R1
Dibenz(a,h)anthracene	mg/L	ND	0.00200	0.00200	0.000112	0.000087 7	5.60	4.38	10.0-132	24.3	43	ML
Fluoranthene	mg/L	ND	0.00200	0.00200	0.00122	0.000906	61.0	45.3	37.0-122	29.5	23	R1
Fluorene	mg/L	ND	0.00200	0.00200	0.00130	0.000904	65.0	45.2	20.0-120	35.9	26	R1
Indeno(1,2,3-cd)pyrene	mg/L	ND	0.00200	0.00200	0.000152	0.000145	7.60	7.25	10.0-130	4.71	38	ML
Naphthalene	mg/L	ND	0.00200	0.00200	0.00145	0.00102	72.5	51.0	14.0-120	34.8	20	R1
Phenanthrene	mg/L	ND	0.00200	0.00200	0.00126	0.000876	63.0	43.8	26.0-120	36.0	24	R1
Pyrene	mg/L	ND	0.00200	0.00200	0.00134	0.00101	67.0	50.5	29.0-120	28.1	24	R1
2-Methylnaphthalene	mg/L	ND	0.00200	0.00200	0.00140	0.000954	70.0	47.7	10.0-143	37.9	24	R1
2-Chloronaphthalene	mg/L	ND	0.00200	0.00200	0.00119	0.000806	59.5	40.3	16.0-120	38.5	25	R1
Nitrobenzene-d5 (S)	%						76.5	53.0	11.0-135			
2-Fluorobiphenyl (S)	%						59.5	40.9	32.0-120			
Terphenyl-d14 (S)	%						51.5	45.6	23.0-122			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

QC Batch: 300668
QC Batch Method: EPA 5030B/8260
Analysis Method: EPA 5030B/8260
Analysis Description: 8260 MSV Low Level
Laboratory: Pace Analytical Services - New Orleans
Associated Lab Samples: 20290113003, 20290113005

METHOD BLANK: 1439596 Matrix: Water
Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	0.00012	09/26/23 15:45	
1,1,1-Trichloroethane	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.00050	0.00024	09/26/23 15:45	
1,1,2-Trichloroethane	mg/L	ND	0.00050	0.00027	09/26/23 15:45	
1,1-Dichloroethane	mg/L	ND	0.00050	0.00021	09/26/23 15:45	
1,1-Dichloroethene	mg/L	ND	0.00050	0.00021	09/26/23 15:45	
1,2,4-Trichlorobenzene	mg/L	ND	0.0020	0.0011	09/26/23 15:45	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.00020	0.00010	09/26/23 15:45	
1,2-Dichloroethane	mg/L	ND	0.00050	0.00035	09/26/23 15:45	
1,2-Dichloropropane	mg/L	ND	0.00050	0.00015	09/26/23 15:45	
2-Butanone (MEK)	mg/L	ND	0.0020	0.00050	09/26/23 15:45	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0010	0.00064	09/26/23 15:45	
Acetone	mg/L	ND	0.0040	0.0020	09/26/23 15:45	
Benzene	mg/L	ND	0.00050	0.00016	09/26/23 15:45	
Bromodichloromethane	mg/L	ND	0.00050	0.00012	09/26/23 15:45	
Bromoform	mg/L	ND	0.0010	0.00058	09/26/23 15:45	
Bromomethane	mg/L	ND	0.00050	0.00025	09/26/23 15:45	
Carbon disulfide	mg/L	ND	0.0010	0.00038	09/26/23 15:45	
Carbon tetrachloride	mg/L	ND	0.00050	0.000078	09/26/23 15:45	
Chlorobenzene	mg/L	ND	0.00050	0.00014	09/26/23 15:45	
Chloroethane	mg/L	ND	0.00050	0.00047	09/26/23 15:45	
Chloroform	mg/L	ND	0.00050	0.00018	09/26/23 15:45	
Chloromethane	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	0.00035	09/26/23 15:45	
cis-1,3-Dichloropropene	mg/L	ND	0.00050	0.00018	09/26/23 15:45	
Dibromochloromethane	mg/L	ND	0.00050	0.00012	09/26/23 15:45	
Ethylbenzene	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
Isobutanol	mg/L	ND	0.050	0.010	09/26/23 15:45	
m&p-Xylene	mg/L	ND	0.0020	0.00024	09/26/23 15:45	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00016	09/26/23 15:45	
Methylene Chloride	mg/L	ND	0.00050	0.00050	09/26/23 15:45	
o-Xylene	mg/L	ND	0.0010	0.00015	09/26/23 15:45	
Styrene	mg/L	ND	0.0010	0.00014	09/26/23 15:45	
Tetrachloroethene	mg/L	ND	0.00050	0.00014	09/26/23 15:45	
Toluene	mg/L	ND	0.00050	0.00017	09/26/23 15:45	
trans-1,2-Dichloroethene	mg/L	ND	0.00050	0.00022	09/26/23 15:45	
trans-1,3-Dichloropropene	mg/L	ND	0.00050	0.00026	09/26/23 15:45	
Trichloroethene	mg/L	ND	0.00050	0.00021	09/26/23 15:45	
Trichlorofluoromethane	mg/L	ND	0.0010	0.00058	09/26/23 15:45	
Vinyl chloride	mg/L	ND	0.00050	0.00016	09/26/23 15:45	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

METHOD BLANK: 1439596 Matrix: Water
Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
4-Bromofluorobenzene (S)	%.	99	68-124		09/26/23 15:45	
Dibromofluoromethane (S)	%.	104	72-126		09/26/23 15:45	
Toluene-d8 (S)	%.	103	79-119		09/26/23 15:45	

METHOD BLANK: 1440415 Matrix: Water
Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	ND	0.0010	0.00012	09/27/23 11:26	
1,1,1-Trichloroethane	mg/L	ND	0.00050	0.00017	09/27/23 11:26	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.00050	0.00024	09/27/23 11:26	
1,1,2-Trichloroethane	mg/L	ND	0.00050	0.00027	09/27/23 11:26	
1,1-Dichloroethane	mg/L	ND	0.00050	0.00021	09/27/23 11:26	
1,1-Dichloroethene	mg/L	ND	0.00050	0.00021	09/27/23 11:26	
1,2,4-Trichlorobenzene	mg/L	ND	0.0020	0.0011	09/27/23 11:26	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.00020	0.00010	09/27/23 11:26	
1,2-Dichloroethane	mg/L	ND	0.00050	0.00035	09/27/23 11:26	
1,2-Dichloropropane	mg/L	ND	0.00050	0.00015	09/27/23 11:26	
2-Butanone (MEK)	mg/L	ND	0.0020	0.00050	09/27/23 11:26	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.0010	0.00064	09/27/23 11:26	
Acetone	mg/L	ND	0.0040	0.0020	09/27/23 11:26	
Benzene	mg/L	ND	0.00050	0.00016	09/27/23 11:26	
Bromodichloromethane	mg/L	ND	0.00050	0.00012	09/27/23 11:26	
Bromoform	mg/L	ND	0.0010	0.00058	09/27/23 11:26	
Bromomethane	mg/L	ND	0.00050	0.00025	09/27/23 11:26	
Carbon disulfide	mg/L	ND	0.0010	0.00038	09/27/23 11:26	
Carbon tetrachloride	mg/L	ND	0.00050	0.000078	09/27/23 11:26	
Chlorobenzene	mg/L	ND	0.00050	0.00014	09/27/23 11:26	
Chloroethane	mg/L	ND	0.00050	0.00047	09/27/23 11:26	
Chloroform	mg/L	ND	0.00050	0.00018	09/27/23 11:26	
Chloromethane	mg/L	ND	0.00050	0.00017	09/27/23 11:26	
cis-1,2-Dichloroethene	mg/L	ND	0.0010	0.00035	09/27/23 11:26	
cis-1,3-Dichloropropene	mg/L	ND	0.00050	0.00018	09/27/23 11:26	
Dibromochloromethane	mg/L	ND	0.00050	0.00012	09/27/23 11:26	
Ethylbenzene	mg/L	ND	0.00050	0.00017	09/27/23 11:26	
Isobutanol	mg/L	ND	0.050	0.010	09/27/23 11:26	
m&p-Xylene	mg/L	ND	0.0020	0.00024	09/27/23 11:26	
Methyl-tert-butyl ether	mg/L	ND	0.00050	0.00016	09/27/23 11:26	
Methylene Chloride	mg/L	ND	0.00050	0.00050	09/27/23 11:26	
o-Xylene	mg/L	ND	0.0010	0.00015	09/27/23 11:26	
Styrene	mg/L	ND	0.0010	0.00014	09/27/23 11:26	
Tetrachloroethene	mg/L	ND	0.00050	0.00014	09/27/23 11:26	
Toluene	mg/L	ND	0.00050	0.00017	09/27/23 11:26	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

METHOD BLANK: 1440415 Matrix: Water
Associated Lab Samples: 20290113003, 20290113005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
trans-1,2-Dichloroethene	mg/L	ND	0.00050	0.00022	09/27/23 11:26	
trans-1,3-Dichloropropene	mg/L	ND	0.00050	0.00026	09/27/23 11:26	
Trichloroethene	mg/L	ND	0.00050	0.00021	09/27/23 11:26	
Trichlorofluoromethane	mg/L	ND	0.0010	0.00058	09/27/23 11:26	
Vinyl chloride	mg/L	ND	0.00050	0.00016	09/27/23 11:26	
4-Bromofluorobenzene (S)	%.	101	68-124		09/27/23 11:26	
Dibromofluoromethane (S)	%.	99	72-126		09/27/23 11:26	
Toluene-d8 (S)	%.	99	79-119		09/27/23 11:26	

LABORATORY CONTROL SAMPLE: 1439597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	0.05	0.048	96	66-134	
1,1,1-Trichloroethane	mg/L	0.05	0.053	106	62-131	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.038	76	15-179	
1,1,2-Trichloroethane	mg/L	0.05	0.043	85	58-144	
1,1-Dichloroethane	mg/L	0.05	0.051	102	63-129	
1,1-Dichloroethene	mg/L	0.05	0.052	104	51-139	
1,2,4-Trichlorobenzene	mg/L	0.05	0.048	96	50-135	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.042	85	21-160	
1,2-Dichloroethane	mg/L	0.05	0.048	97	57-148	
1,2-Dichloropropane	mg/L	0.05	0.050	100	66-128	
2-Butanone (MEK)	mg/L	0.05	0.051	103	32-183	
4-Methyl-2-pentanone (MIBK)	mg/L	0.05	0.041	82	26-171	
Acetone	mg/L	0.05	0.051	103	22-165	
Benzene	mg/L	0.05	0.051	101	62-131	
Bromodichloromethane	mg/L	0.05	0.051	102	69-132	
Bromoform	mg/L	0.05	0.048	95	35-166	
Bromomethane	mg/L	0.05	0.052	104	34-158	
Carbon disulfide	mg/L	0.05	0.055	110	31-128	
Carbon tetrachloride	mg/L	0.05	0.052	103	54-144	
Chlorobenzene	mg/L	0.05	0.046	92	70-127	
Chloroethane	mg/L	0.05	0.055	110	17-195	
Chloroform	mg/L	0.05	0.050	100	73-134	
Chloromethane	mg/L	0.05	0.050	101	17-153	
cis-1,2-Dichloroethene	mg/L	0.05	0.052	103	68-129	
cis-1,3-Dichloropropene	mg/L	0.05	0.051	102	72-138	
Dibromochloromethane	mg/L	0.05	0.045	90	49-146	
Ethylbenzene	mg/L	0.05	0.047	93	66-126	
m&p-Xylene	mg/L	0.1	0.095	95	65-129	
Methyl-tert-butyl ether	mg/L	0.05	0.047	95	37-166	
Methylene Chloride	mg/L	0.05	0.054	109	46-168	
o-Xylene	mg/L	0.05	0.045	91	65-124	
Styrene	mg/L	0.05	0.048	96	72-133	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

LABORATORY CONTROL SAMPLE: 1439597

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	mg/L	0.05	0.043	86	46-157	
Toluene	mg/L	0.05	0.047	95	69-126	
trans-1,2-Dichloroethene	mg/L	0.05	0.055	109	60-129	
trans-1,3-Dichloropropene	mg/L	0.05	0.046	92	59-149	
Trichloroethene	mg/L	0.05	0.049	97	67-132	
Trichlorofluoromethane	mg/L	0.05	0.054	108	39-171	
Vinyl chloride	mg/L	0.05	0.061	122	27-149	
4-Bromofluorobenzene (S)	%.			97	68-124	
Dibromofluoromethane (S)	%.			102	72-126	
Toluene-d8 (S)	%.			102	79-119	

LABORATORY CONTROL SAMPLE: 1440416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/L	0.05	0.048	95	66-134	
1,1,1-Trichloroethane	mg/L	0.05	0.053	107	62-131	
1,1,2,2-Tetrachloroethane	mg/L	0.05	0.038	75	15-179	
1,1,2-Trichloroethane	mg/L	0.05	0.043	86	58-144	
1,1-Dichloroethane	mg/L	0.05	0.050	100	63-129	
1,1-Dichloroethene	mg/L	0.05	0.051	103	51-139	
1,2,4-Trichlorobenzene	mg/L	0.05	0.048	97	50-135	
1,2-Dibromo-3-chloropropane	mg/L	0.05	0.045	91	21-160	
1,2-Dichloroethane	mg/L	0.05	0.049	98	57-148	
1,2-Dichloropropane	mg/L	0.05	0.049	99	66-128	
2-Butanone (MEK)	mg/L	0.05	0.055	110	32-183	
4-Methyl-2-pentanone (MIBK)	mg/L	0.05	0.042	83	26-171	
Acetone	mg/L	0.05	0.052	104	22-165	
Benzene	mg/L	0.05	0.050	100	62-131	
Bromodichloromethane	mg/L	0.05	0.051	103	69-132	
Bromoform	mg/L	0.05	0.050	99	35-166	
Bromomethane	mg/L	0.05	0.055	109	34-158	
Carbon disulfide	mg/L	0.05	0.053	106	31-128	
Carbon tetrachloride	mg/L	0.05	0.052	105	54-144	
Chlorobenzene	mg/L	0.05	0.046	92	70-127	
Chloroethane	mg/L	0.05	0.056	111	17-195	
Chloroform	mg/L	0.05	0.052	103	73-134	
Chloromethane	mg/L	0.05	0.052	104	17-153	
cis-1,2-Dichloroethene	mg/L	0.05	0.052	104	68-129	
cis-1,3-Dichloropropene	mg/L	0.05	0.051	102	72-138	
Dibromochloromethane	mg/L	0.05	0.045	90	49-146	
Ethylbenzene	mg/L	0.05	0.045	91	66-126	
m&p-Xylene	mg/L	0.1	0.093	93	65-129	
Methyl-tert-butyl ether	mg/L	0.05	0.050	100	37-166	
Methylene Chloride	mg/L	0.05	0.055	111	46-168	
o-Xylene	mg/L	0.05	0.045	90	65-124	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

LABORATORY CONTROL SAMPLE: 1440416

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	mg/L	0.05	0.046	92	72-133	
Tetrachloroethene	mg/L	0.05	0.042	83	46-157	
Toluene	mg/L	0.05	0.048	96	69-126	
trans-1,2-Dichloroethene	mg/L	0.05	0.055	110	60-129	
trans-1,3-Dichloropropene	mg/L	0.05	0.045	90	59-149	
Trichloroethene	mg/L	0.05	0.049	97	67-132	
Trichlorofluoromethane	mg/L	0.05	0.055	111	39-171	
Vinyl chloride	mg/L	0.05	0.065	129	27-149	
4-Bromofluorobenzene (S)	%.			97	68-124	
Dibromofluoromethane (S)	%.			104	72-126	
Toluene-d8 (S)	%.			103	79-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439598 1439599

Parameter	Units	20289587005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	mg/L	ND	0.05	0.05	0.049	0.050	99	99	66-136	0	20	
1,1,1-Trichloroethane	mg/L	ND	0.05	0.05	0.056	0.057	111	114	54-137	2	20	
1,1,2,2-Tetrachloroethane	mg/L	ND	0.05	0.05	0.042	0.042	84	85	15-187	1	20	
1,1,2-Trichloroethane	mg/L	ND	0.05	0.05	0.045	0.046	91	92	59-148	2	20	
1,1-Dichloroethane	mg/L	ND	0.05	0.05	0.052	0.054	104	107	59-133	3	20	
1,1-Dichloroethene	mg/L	ND	0.05	0.05	0.054	0.056	109	112	44-146	3	20	
1,2,4-Trichlorobenzene	mg/L	ND	0.05	0.05	0.051	0.052	102	104	39-153	2	20	
1,2-Dibromo-3-chloropropane	mg/L	ND	0.05	0.05	0.049	0.049	98	97	23-166	1	20	
1,2-Dichloroethane	mg/L	ND	0.05	0.05	0.051	0.051	101	102	56-154	0	20	
1,2-Dichloropropane	mg/L	ND	0.05	0.05	0.053	0.052	107	105	62-135	2	20	
2-Butanone (MEK)	mg/L	ND	0.05	0.05	0.057	0.057	114	114	20-205	1	20	
4-Methyl-2-pentanone (MIBK)	mg/L	ND	0.05	0.05	0.046	0.047	92	93	23-184	1	20	
Acetone	mg/L	ND	0.05	0.05	0.057	0.056	114	112	11-217	2	20	
Benzene	mg/L	ND	0.05	0.05	0.052	0.052	104	105	52-141	0	20	
Bromodichloromethane	mg/L	ND	0.05	0.05	0.055	0.055	111	111	70-134	0	20	
Bromoform	mg/L	ND	0.05	0.05	0.052	0.054	105	107	37-171	3	20	
Bromomethane	mg/L	ND	0.05	0.05	0.056	0.054	112	107	34-155	4	20	
Carbon disulfide	mg/L	ND	0.05	0.05	0.059	0.058	119	117	28-130	2	20	
Carbon tetrachloride	mg/L	ND	0.05	0.05	0.055	0.056	109	111	48-146	2	20	
Chlorobenzene	mg/L	ND	0.05	0.05	0.048	0.049	96	98	67-129	2	20	
Chloroethane	mg/L	ND	0.05	0.05	0.059	0.058	117	117	12-192	1	20	
Chloroform	mg/L	ND	0.05	0.05	0.053	0.053	105	106	66-143	0	20	
Chloromethane	mg/L	ND	0.05	0.05	0.055	0.055	110	110	14-155	0	20	
cis-1,2-Dichloroethene	mg/L	ND	0.05	0.05	0.053	0.054	106	109	56-141	3	20	
cis-1,3-Dichloropropene	mg/L	ND	0.05	0.05	0.052	0.055	105	110	70-139	5	20	
Dibromochloromethane	mg/L	ND	0.05	0.05	0.047	0.048	94	96	50-150	1	20	
Ethylbenzene	mg/L	ND	0.05	0.05	0.048	0.049	95	98	57-135	2	20	
m&p-Xylene	mg/L	ND	0.1	0.1	0.098	0.10	98	101	56-136	3	20	

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1439598 1439599

Parameter	Units	20289587005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methyl-tert-butyl ether	mg/L	ND	0.05	0.05	0.053	0.053	105	106	35-176	1	20	
Methylene Chloride	mg/L	ND	0.05	0.05	0.056	0.057	111	114	45-166	2	20	
o-Xylene	mg/L	ND	0.05	0.05	0.048	0.047	96	94	57-133	2	20	
Styrene	mg/L	ND	0.05	0.05	0.050	0.050	99	101	58-144	1	20	
Tetrachloroethene	mg/L	ND	0.05	0.05	0.045	0.045	90	90	48-143	1	20	
Toluene	mg/L	ND	0.05	0.05	0.051	0.053	103	105	59-136	2	20	
trans-1,2-Dichloroethene	mg/L	ND	0.05	0.05	0.056	0.058	112	116	57-132	4	20	
trans-1,3-Dichloropropene	mg/L	ND	0.05	0.05	0.046	0.048	92	96	59-154	4	20	
Trichloroethene	mg/L	ND	0.05	0.05	0.053	0.054	107	108	58-140	1	20	
Trichlorofluoromethane	mg/L	ND	0.05	0.05	0.059	0.058	117	115	24-175	2	20	
Vinyl chloride	mg/L	ND	0.05	0.05	0.067	0.068	134	135	21-150	1	20	
4-Bromofluorobenzene (S)	%.						95	95	68-124			
Dibromofluoromethane (S)	%.						100	101	72-126			
Toluene-d8 (S)	%.						101	102	79-119			

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

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The Nelac Institute

WORKORDER QUALIFIERS

WO: 20290113

[1]

SAMPLE QUALIFIERS

Sample: R3979387-1

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

Sample: R3979387-2

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

Sample: L1658278-01

[1] Semi Volatile Organic Compounds (GC/MS) by Method 8270E - Dilution and surrogate failure due to matrix interference.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
G7	An aliquot for analysis was taken from the original container received due to the level of sediment present in the sample. Rinsing of the original sample container for inclusion in the sample extraction was not performed.
J	Analyte detected below the reporting limit, therefore result is an estimate. This qualifier is also used for all TICs.
MH	Matrix spike recovery and/or matrix spike duplicate recovery was above laboratory control limits. Result may be biased high.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALIFIERS

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

ANALYTE QUALIFIERS

ML	Matrix spike recovery and/or matrix spike duplicate recovery was below laboratory control limits. Result may be biased low.
P4	Sample field preservation does not meet EPA or method recommendations for this analysis.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

Pace Analytical Services, LLC
1000 Riverbend Blvd - Suite F
St. Rose, LA 70087
(504)469-0333

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: JM3-JM5 Parcels Waters
Pace Project No.: 20290113

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
20290113001	**TW-17**	MA DEP/NJ DEP	2144707	EPH	2144707
20290113002	**DUP-6W**	MA DEP/NJ DEP	2144707	EPH	2144707
20290113003	**TW-18**	MA DEP/NJ DEP	2144707	EPH	2144707
20290113004	**TW-19**	MA DEP/NJ DEP	2144707	EPH	2144707
20290113005	**TW-20**	MA DEP/NJ DEP	2144707	EPH	2144707
20290113003	**TW-18**	MADEP VPH Mod	300278		
20290113005	**TW-20**	MADEP VPH Mod	300278		
20290113001	**TW-17**	EPA 3010	300443	EPA 6020A	300557
20290113002	**DUP-6W**	EPA 3010	300443	EPA 6020A	300557
20290113003	**TW-18**	EPA 3010	300443	EPA 6020A	300557
20290113004	**TW-19**	EPA 3010	300443	EPA 6020A	300557
20290113005	**TW-20**	EPA 3010	300443	EPA 6020A	300557
20290113001	**TW-17**	EPA 7470	300450	EPA 7470	300576
20290113002	**DUP-6W**	EPA 7470	300450	EPA 7470	300576
20290113003	**TW-18**	EPA 7470	300450	EPA 7470	300576
20290113004	**TW-19**	EPA 7470	300450	EPA 7470	300576
20290113005	**TW-20**	EPA 7470	300450	EPA 7470	300576
20290113003	**TW-18**	3510C	2138352	EPA 8270E	2138352
20290113005	**TW-20**	3510C	2138352	EPA 8270E	2138352
20290113001	**TW-17**	3510C	2138645	EPA 8270E by SIM	2138645
20290113002	**DUP-6W**	3510C	2138645	EPA 8270E by SIM	2138645
20290113004	**TW-19**	3510C	2138645	EPA 8270E by SIM	2138645
20290113003	**TW-18**	EPA 5030B/8260	300668		
20290113005	**TW-20**	EPA 5030B/8260	300668		

Pace® Location Requested (City/State):
Pace Analytical New Orleans
1000 Riverbend Blvd, Suite F
St. Rose, LA 70087

CHAIN-OF-CUSTODY Analytical Request Document

Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 20290113

20290113

Company Name:	Terracon - New Orleans	Contact/Report To:	Day, Diana
Street Address:	524 Elmwood Park Blvd, Suite 170 New Orleans, LA 70123	Phone #:	(225)239-2651
		E-Mail:	diana.day@terracon.com
		Cc E-Mail:	
Customer Project #:		Invoice To:	
Project Name:	JM3-JM5 Parcels Waters	Invoice E-Mail:	
Site Collection Info/Facility ID (as applicable):		Purchase Order # (if applicable):	
		Quote #:	ET237079
Time Zone Collected: [ ] AK [ ] PT [ ] MT [ ] CT [ ] ET		County / State origin of sample(s):	Louisiana

Data Deliverables:
[ ] Level II [ ] Level III [ ] Level IV
[ ] EQUIS
[ ] Other_____

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required): 7 day
[ ] 2 Day [ ] 3 day [ ] 5 day [ ] Other_____

DW PWSID # or WW Permit # as applicable:

Date Results Requested:

Analysis:

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT), Surface Water (SW),Sediment (SED), Sludge (SL), Caulk

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res. Cl2	Number & Type of Containers Plastic	Number & Type of Containers Glass	EPH	PAH SIM	RCRA Metals	RECAP Metals	RECAP SVOC	VOC/VPH							Sample Comment
TW-17	W	G	9-20-23	8:51						X	X	X										
DUP-GW				9:23						X	X	X										
TW-18				9:33						X			X	X	X							
~~TW-19~~				~~9:48~~						X	X	X										
TW-19 MS				10:48						X	X	X										
TW-19 MSD				10:48						X	X	X										
TW-20				11:41						X			X	X	X							

Specify Container Size **

Identify Container Preservative Type***

Analysis Requested

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Lab Use Only
Proj. Mgr: Clay Ledet
AcctNum / Client ID:
Table #:
Profile / Template: 87913/2
Prelog / Bottle Ord. ID: 1141079

Preservation non-conformance identified for sample.

Customer Remarks / Special Conditions / Possible Hazards:

Collected By:
Printed Name: Greg Pellerin
Signature: Greg Pelli

Additional Instructions from Pace®:

# Coolers:	Thermometer ID:	Correction Factor (°C):	Obs. Temp. (°C)	Corrected Temp. (°C)
2	12	0	23.9	

	Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
1	Greg Pelli	9-20-23 14:46	Clay Pace	
2				
3				
4				

Tracking Number:

Delivered by: [✓] In-Person [ ] Courier [ ] FedEX [ ] UPS [ ] Other

Pace

Sample Condition Upon Receipt (SCUR)

WO# : 20290113

PM: CAL **Due Date: 09/28/23**

CLIENT: 20-TERRACONN

1000 Riverbend Blvd, Suite F, St. Rose. LA 70087

Cooler Inspected by/date: MB / 9/21/2023

Means of receipt: ☐ Pace ☑ Client ☐ UPS ☐ FedEx ☐ Other:

☐ Yes	☑ No	☐ NA	Were custody seals present on the cooler?
☐ Yes	☐ No	☐ NA	If custody seals were present, were they intact and unbroken?

Method: ☐ Temperature Blank ☑ Against Bottles IR Gun ID: 12 IR Gun Correction Factor: 0 °C

Cooler #1	Cooler Temp °C:	3.3	(Actual/True)
Cooler #2	Cooler Temp °C:	4.4	(Actual/True)
Cooler #3	Cooler Temp °C:		(Actual/True)
Cooler #4	Cooler Temp °C:		(Actual/True)

Samples on ice ☑ Yes ☐ No

pH Strip Lot #

Method of coolant: ☑ Wet ☐ Ice Packs ☐ Dry Ice ☐ None

Tracking #:

☐ Yes	☑ No	☐ NA	Is a temperature blank present?	
☑ Yes	☐ No	☐ NA	Was a chain of custody (COC) received?	
☐ Yes	☑ No	☐ NA	Was the line and profile number listed on the COC?	
☑ Yes	☐ No	☐ NA	Were all coolers received at or below 6.0°C? If no, notify Project Manager via email. Email Notification Date and Time:	
☑ Yes	☐ No	☐ NA	Were proper custody procedures (relinquished/received) followed?	
☑ Yes	☐ No	☐ NA	Is the sampler name and signature on the COC?	
☑ Yes	☐ No	☐ NA	Were sample IDs listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Was collection date & time listed on the COC and all sample containers?	
☑ Yes	☐ No	☐ NA	Did all container label information (ID, date, time) agree with the COC?	
☑ Yes	☐ No	☐ NA	Were tests to be performed listed on the COC?	
☑ Yes	☐ No	☐ NA	Did all samples arrive in the proper containers for each test and in good condition (unbroken, lids on, etc.)?	
☑ Yes	☐ No	☐ NA	Was adequate sample volume available?	
☑ Yes	☐ No	☐ NA	Were all samples received within ½ the holding time or 48 hours, whichever comes first?	
☑ Yes	☐ No	☐ NA	Were all samples containers accounted for? (No missing/excess)	
☑ Yes	☐ No	☐ NA	Were VOA, 8015C (GRO/VPH), and RSK-175 samples free of bubbles > "pea size" (1/4" or 6mm in diameter) in any of the VOA vials?	
☐ Yes	☑ No	☐ NA	Was there a trip blank present?	
☐ Yes	☐ No	☑ NA	Filtered volume received for dissolved tests? *If no, list affected sample(s) in comments below.*	
☐ Yes	☑ No	☐ NA	Were all metals/nutrient samples received at a pH of < 2?	If No, was preservative added? ☑ Yes ☐ No
☐ Yes	☐ No	☑ NA	Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?	If added, record lots. Dispenser/pipette lot #: HNO3 213901 H2SO4 NaOH Date: 9/21/23 Time: 1112

Comments:

MW-18 metals preservative added pH 8