

PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

**CITY OF MONROE
FORMER OUACHITA CANDY COMPANY
211-305 WALNUT STREET
MONROE, LOUISIANA
OUACHITA PARISH**

ACRES No. 243049

PPM PROJECT NO. 11472001/03-ESA/04-P2

JULY 21, 2021



PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT

AT

**FORMER OUACHITA CANDY COMPANY
211-305 WALNUT STREET
MONROE, LOUISIANA
OUACHITA PARISH**

PREPARED FOR:

**CITY OF MONROE
700 WASHINGTON STREET
MONROE, LOUISIANA 71201**

PPM PROJECT NO. 11472001/03-ESA/04-P2

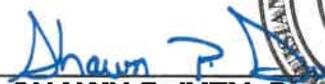
JULY 21, 2021

PREPARED BY:

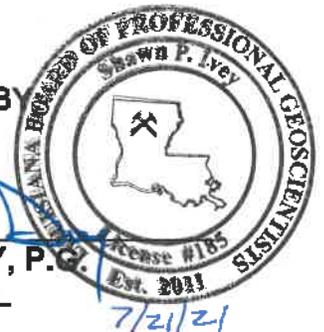


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EXECUTIVE SUMMARY

PPM Consultants, Inc. (PPM) was retained by the City of Monroe to conduct a Phase II Environmental Site Assessment (ESA) at the Former Ouachita Candy Company located at 211-305 Walnut Street in Monroe, Louisiana. The purpose of this assessment was to determine if site soil and groundwater have been adversely impacted by the historical uses of the subject property and surrounding properties and to determine if asbestos-containing materials (ACM) are present in the on-site buildings.

PPM conducted field activities at the site on June 8, 2021, through June 17, 2021. Utilizing direct-push technology (Geoprobe[®]), six probe borings (P-1 through P-6) were advanced to an approximate depths of 21 to 25 feet below ground surface (BGS). A shallow wet zone was encountered in all probe borings at approximate depths ranging from of 13 feet to 19 feet BGS.

Soil samples collected from probe borings P-1 and P-2 were analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), total petroleum hydrocarbons – gasoline range organics (TPH-G), total petroleum hydrocarbons – diesel range organics (TPH-D), total petroleum hydrocarbons – oil range organics (TPH-O), and polycyclic aromatic hydrocarbons (PAH). Soil samples collected from probe boring P-3 were analyzed for BTEX, TPH-G, TPH-D, TPH-O, PAH and Resource Conservation and Recovery Act (RCRA) Metals. Soil samples collected from probe borings P-4 and P-6 were analyzed for BTEX, TPH-G and TPH-D. Soil samples collected from probe boring P-5 were analyzed for BTEX and TPH-G. Groundwater samples collected from temporary wells TW-1 and TW-2 were analyzed for BTEX, TPH-G, TPH-D, TPH-O and PAH. Groundwater samples collected from temporary wells TW-3 were analyzed for BTEX, TPH-G, TPH-D, TPH-O, PAH and RCRA Metals. Groundwater samples collected from temporary wells TW-4 and TW-6 were analyzed for BTEX, TPH-G and TPH-D. Groundwater samples collected from temporary wells TW-5 were analyzed for BTEX and TPH-G. A survey for ACM was conducted in the structure at the site.

Based on the findings from the Phase II ESA, PPM concludes the following:

- Laboratory analysis of soil samples revealed that constituent concentrations in all samples were below the Louisiana Department of Environmental Quality (LDEQ) Risk Evaluation/Corrective Action Plan (RECAP) Soil Screening Standards.
- Laboratory analysis of groundwater samples revealed that constituent concentrations in all samples were below the LDEQ RECAP Groundwater Screening Standards, except TPH-D and Benzo(a)-Pyrene.

- Subsequent to conducting a MO-1 RECAP evaluation, all constituents of concern (COC) in groundwater were below the RECAP Standards.
- ACM was found in the structure at the property during the ACM survey.

Based on the above conclusions, PPM recommends that the owner/operator of the property notify the LDEQ that constituent concentrations in groundwater exceeds RECAP Screening Standards. Since all concentrations in soil and groundwater are below the applicable Management Option 1 Standards, LDEQ will likely not require any additional actions at the site.

1.0 INTRODUCTION

PPM was retained by the City of Monroe to conduct a Phase II ESA at the Former Ouachita Candy Company located at 211-305 Walnut Street in Monroe, Louisiana. The purpose of this assessment was to determine if site soil and groundwater have been adversely impacted by the historical uses of the subject property and surrounding properties and to determine if ACM are present in the on-site building.

2.0 SCOPE OF WORK

Based upon the information that was provided by the property owner and the findings from the Phase I ESA conducted by PPM, a scope of work for conducting the Phase II ESA was developed in the Environmental Protection Agency (EPA)-approved Property-specific Sampling and Analysis Plan (PSAP), which consisted of the following:

- Call “One Call” to locate and mark underground utility lines three days prior to start of fieldwork.
- Advancement of six probe borings to a maximum of 20.0 feet below ground surface (BGS), utilizing a Geoprobe® truck-mounted rig.
- Collection of soil samples at continuous 2-foot intervals from each of the probe borings for field screening and possible laboratory analysis. Field screening will be conducted using headspace analysis techniques with a Photo-Ionization Detector (PID) and visual inspection of soil samples. A sample from each interval will be retained at 4°C for possible laboratory analysis. Sample selection will be based on parameters outlined in the PSAP.
- Soil and groundwater samples collected from probe borings P-1 and P-2 will be analyzed for BTEX, TPH-G, TPH-D, TPH-O) and PAH. Soil and groundwater samples collected from probe boring P-3 will be analyzed for BTEX, TPH-G, TPH-D, TPH-O, PAH and RCRA Metals. Soil and groundwater samples collected from probe borings P-4 and P-6 will be analyzed for BTEX, TPH-G and TPH-D. Soil and groundwater samples collected from probe boring P-5 will be analyzed for BTEX and TPH-G.
- The highest concentration of each constituent in soil samples collected from 0 to 15 feet and greater than 15 will also be analyzed for Synthetic Precipitation Leaching Procedure (SPLP) for BTEX, TPH-G, TPH-D, TPH-O, PAH and RCRA Metals.

- Collection of one soil sample for analysis of Toxicity Characteristic Leaching Procedure (TCLP), and Reactive Cyanide, Reactive Sulfide, Ignitability, Corrosivity (RCI) for landfill profile of soil cuttings.
- Collection of quality assurance/quality control (QA/QC) samples per the EPA-approved generic Quality Assurance Project Plan (QAPP).
- Installation of six temporary probe wells, one in each probe boring, to aid in the collection of groundwater samples from the temporary wells.
- One groundwater sample from temporary wells TW-1 and TW-2 will be collected for laboratory analysis of BTEX, TPH-G, TPH-D, TPH-O and PAH.
- One groundwater sample from temporary well TW-3 will be collected for laboratory analysis of BTEX, TPH-G, TPH-D, TPH-O, PAH and RCRA Metals.
- One groundwater sample from temporary well TW-4 and TW-6 will be collected for laboratory analysis of for BTEX, TPH-G and TPH-D.
- One groundwater sample from temporary well TW-5 will be collected for laboratory analysis of for BTEX and TPH-G.
- Disposal of soil cuttings at a permitted landfill.
- Conduct a survey to determine if ACM are present in the on-site building.
- Preparation of a Phase II ESA Report for the site presenting the scope of work, site background, investigative methodology, findings and conclusions from the Phase II ESA field activities.

3.0 DEVIATIONS FROM ORIGINAL WORKPLAN

Deviations from the original scope of work outlined in the PSAP are as follows:

- Locations of P-1/TW-1 and P-2/TW-2 were shifted south fifteen feet from their proposed locations due to refusal at eight feet BGS.
- Soil borings were advanced to a maximum depth of 25 feet BGS due to insufficient groundwater recharge at a maximum depth of 20 feet BGS.
- Due to a flea infestation in the building, unsafe conditions in portions of the building, and inaccessibility to the roof, asbestos samples were not collected in parts of the building.

4.0 BACKGROUND

4.1 SITE DESCRIPTION

The site is approximately 2.5 acres in size and is located at 211-305 Walnut Street in Monroe, Louisiana. Geographically, the site is located in Section 41, Township 18 North, Range 3 East on the Monroe North, Louisiana Quadrangle at approximately Latitude 32° 30' 11''N and Longitude 92° 07' 11''W. The site location is shown in **Figure 1, Site Location Map**, in **Appendix A, Figures**. Site features are shown on **Figure 2, Site Map**.

5.0 SAMPLING METHODOLOGY

PPM conducted field activities at the site on June 8, 2021, through June 29, 2021. Utilizing direct push technology (Geoprobe[®]), six probe borings were advanced at the site. Probe borings were advanced to approximate depths of 21 to 25 feet BGS. Groundwater was encountered in probe borings P-1 through P-6 at approximate depths of 13 feet to 19 feet BGS. The probe boring locations are shown in **Figure 2**.

5.1 SOIL SAMPLING

Probe boring soil samples were collected at continuous 2-foot intervals from each boring for field screening purposes and possible laboratory analysis. Probe boring samples were collected at continuous intervals using a 2.25 outside diameter (O.D.) Geoprobe[®] DT22 soil sampling system lined with 48-inch long disposable plastic liners.

Each sample tube, upon retrieval, was disassembled on a clean surface. Plastic sample tubes were opened with a clean cutting blade to remove soil from the tube. Samples were removed from the tube at discrete 2-foot intervals and containerized in clean prepared glass jars for laboratory analysis and mason jars for field screening purposes. Additional soil samples were collected for volatile analysis in accordance with EPA Method 5035 for field preservation of soil samples utilizing 5-gram EnCore[®] sampling devices. Upon collection of the sample, each EnCore[®] device was sealed with the supplied cap and placed into a zip-top bag labeled with sample specific information. The zip top bags were then placed on ice for further preservation. Clean disposable nitrile gloves were worn during sample collection and were changed between each sample acquisition.

Field screening was conducted utilizing headspace analysis techniques with a Rae Systems MiniRae 2000 PGM 7600 PID calibrated with 100 parts per million (ppm) isobutylene span

gas. Field screening results were used to determine the distribution of hydrocarbon concentrations, if present, in soil during field activities and to select soil samples for subsequent laboratory analysis.

All soil sampling equipment was thoroughly decontaminated between each sample acquisition. Decontamination consisted of washing the equipment in an Alconox[®] solution, followed by a rinsing with alcohol and distilled water. Each piece of equipment was allowed to air dry between sample acquisitions.

5.2 GROUNDWATER SAMPLING

Temporary wells TW-1 through TW-6 were installed in probe borings P-1 through P-6, respectively, to aid in collection of groundwater. The temporary wells were developed using a peristaltic pump with a sufficient length of chemically inert disposable tubing to reach the middle of the screen of each well. The pump was run at a low rate so as to minimize drawdown in each well. The groundwater samples submitted for laboratory analysis were collected using a disposable bailer. Disposable nitrile gloves were also worn during the sample collection. The samples were transferred into laboratory-prepared containers and immediately preserved on ice.

5.3 SAMPLE PRESERVATION AND DISPATCH

Soil and groundwater samples retained for laboratory analysis were immediately placed on ice and preserved at 4°C. These samples were also labeled to document the appropriate project number, probe boring number, sample number, well number, project name, project location, date, time sampled, and analyses requested. The samples were subsequently sealed in insulated coolers and shipped via common courier to SGS North America, Inc. in Scott, Louisiana, for laboratory analysis. The coolers were submitted with a chain-of-custody form. Chain-of-custody forms included the same information included on sample labels as well as container size, the collector's signature, and signatures of persons who maintained custody of the samples.

5.4 LABORATORY ANALYSIS

Soil samples collected from probe borings P-1 and P-2 were analyzed for BTEX, TPH-G, TPH-D, TPH-O and PAH. Soil samples collected from probe boring P-3 were analyzed for BTEX, TPH-G, TPH-D, TPH-O, PAH and RCRA Metals. Soil samples collected from probe borings P-4 and P-6 we analyzed for BTEX, TPH-G and TPH-D. Soil samples collected from probe boring P-5 were analyzed for BTEX and TPH-G. Groundwater samples collected

from temporary wells TW-1 and TW-2 were analyzed for BTEX, TPH-G, TPH-D, TPH-O and PAH. Groundwater samples collected from temporary well TW-3 were analyzed for BTEX, TPH-G, TPH-D, TPH-O, PAH and RCRA Metals. Groundwater samples collected from temporary wells TW-4 and TW-6 were analyzed for BTEX, TPH-G and TPH-D. Groundwater samples collected from temporary well TW-5 were analyzed for BTEX and TPH-G. One soil sample was analyzed for landfill disposal purposes per landfill requirement parameters.

5.5 ASBESTOS CONTAINING MATERIALS SURVEY

PPM retained PAC Environmental Specialists, a Louisiana-licensed asbestos inspector, to conduct an asbestos survey of the subject property, as required by EPA regulation 40 CFR Part 61, National Emissions Standards for Hazardous Air Pollutants (NESHAP) prior to demolition or renovation. The asbestos inspector conducted a visual assessment of the building to identify materials suspected of containing asbestos (suspect ACM) such as thermal system insulation, surfacing materials and miscellaneous materials (e.g., floor tiles). Suspect materials were physically assessed for friability and evidence of damage or degradation. Samples of suspect ACM were collected for laboratory analysis. Bulk sample collections were conducted in general accordance with the sampling protocols outlined in USEPA 40 CFR 763.86. Samples were collected from each homogenous area of the structure to identify the presence of ACM. The samples collected were analyzed for asbestos content by Polarized Light Microscopy (PLM), using the “Interim Method of the Determination of Asbestos in Bulk Insulation Samples”. Laboratory Analysis was performed by Eurofins/CEI Labs in accordance with US EPA and Louisiana Department of Environmental Quality (LDEQ) accreditation requirements and methodologies.

6.0 FINDINGS

6.1 SITE GEOLOGY

Subsurface geology at the site was determined by visual inspection of soil samples and observations made during the installation of the probe borings. Site lithology included alluvial sediments consisting of silty clays to silty sands. A shallow wet zone was encountered in all probe borings at approximate depths of 13 feet to 19 feet BGS. A detailed lithological description of each boring is provided in **Appendix B, Geologic Boring Logs**.

6.2 LABORATORY RESULTS

6.2.1 Soil Analytical Results

Laboratory analysis of soil samples revealed that constituent concentrations in all samples were below the LDEQ RECAP Soil Screening Standards. Laboratory analytical results for soil are summarized in **Table C-1, Soil Analytical Summary**, in **Appendix C, Tables**. Concentrations that were detected in the soil are presented below in **Table 6-1**. Concentrations that were detected in the soil are presented in **Figure 3, Constituent Concentrations in Soil**. Complete soil analytical results are presented in **Appendix D, Laboratory Analytical Reports**.

**TABLE 6-1
CONSTITUENT CONCENTRATIONS IN SOIL**

Constituents	COC Concentrations (mg/kg)	RECAP Screening Standards (mg/kg)
Arsenic	2.3	12
Barium	35.5	2,000
Chromium	4.6	100
Lead	4.3	100

6.2.2 Groundwater Analytical Results

Laboratory analysis of groundwater samples revealed that constituent concentrations in all samples were below the LDEQ RECAP Groundwater Screening Standards, except TPH-D and Benzo(a)-Pyrene. Laboratory analytical results for groundwater are summarized in **Table C-2, Groundwater Analytical Summary**, in **Appendix C, Tables**. Concentrations that were detected or had detection limits above the RECAP Screening Standards in groundwater are presented below in **Table 6-2** and **Figure 4, Constituent Concentrations in Groundwater**. Complete groundwater analytical results are presented in **Appendix D**.

**TABLE 6-2
CONSTITUENT CONCENTRATIONS IN GROUNDWATER**

Constituents	COC Concentrations (mg/L)	RECAP Screening Standards (mg/L)
TPH-G	0.11	0.15
TPH-D	0.176	0.15
Benzo(a)-Pyrene	<0.00022	0.0002
Barium	0.2	2

Shading indicates COC is above the applicable screening standard.

6.2.3 RECAP MO-1 Evaluation

A RECAP assessment was conducted to determine which constituents present at the subject site would be considered a COC. A COC is a constituent in which the concentration exceeds Screening Standards established in the RECAP, as revised by the LDEQ on October 20, 2003.

TPH-D and Benzo(a)-Pyrene, exceeds the Groundwater Screening Standard, as shown in **RECAP Form 15, Screening Option Submittal for Groundwater**, in **Appendix E, RECAP Forms**. Therefore, these COCs in groundwater were further evaluated under MO-1.

The groundwater classification designation was assumed to be a Groundwater-3 Drinking Water Aquifer. The groundwater classification is based on a RECAP evaluation conducted on the Former Grand Texaco site (Agency Interest No. 75516) located approximately 650 feet southeast of the site. The nearest surface water body is the Ouachita River, which is located less than 50 feet west of the facility. Thus, the Dilution and Attenuation Factor (DAF) utilized for the MO-1 evaluation is 1.5. The groundwater concentrations and the applicable MO-1 RECAP Standard are shown below in **Table 6-3, MO-1 Groundwater Standards**. The **RECAP Form 16, MO-1 Submittal for Groundwater** is provided in **Appendix E**.

**TABLE 6-3
MO-1 GROUNDWATER STANDARDS**

Constituents of Concern	Groundwater MO-1 Standards (mg/L)	Area of Investigation Groundwater Concentrations (mg/L)	Points of Highest Concentration
TPH-D	1.5	0.176	TW-6
Benzo(a) Pyrene	0.0003	<0.00022	Multiple

As shown in **Table 6-3** above, the highest concentration in groundwater for each COC is below the applicable MO-1 RECAP Standard.

6.2.4 Quality Assurance/ Quality Control Samples

QA/QC samples were collected and analyzed in accordance with the EPA-Approved Generic QAPP and the LDEQ RECAP Guidance Document. Results of the QA/QC analysis are included in **Table C-3, QA/QC Data Summary**.

6.2.5 Asbestos Survey

As indicated in the ACM survey in **Appendix F, Asbestos Inspection Report**, the inspection and laboratory analysis does indicate the presences of ACM at the facility. Therefore, any demolition and/or renovations that would disturb the ACM requires advance notification to LDEQ and proper abatement by an Asbestos Abatement Contractor licensed by the State of Louisiana. The Louisiana Air Quality Regulations (LAC 33:111.5151, subchapter M) require written notification of all demolition activities. LDEQ form AAC-2 must be completed for each structure and forwarded to LDEQ prior to demolition/renovation activities.

Due to a flea infestation in the building, unsafe conditions in portions of the building, and inaccessibility to the roof, samples were not collected in parts of the building. Before removal of the ACM can be conducted, additional asbestos sampling will be required.

6.3 DATA USABILITY

Data generated by this project was evaluated and assessed in accordance with the Data Quality Objectives (DQO) requirements and the technical specifications and QC acceptance criteria set forth by the analytical methods and Standard Operating Procedures (SOP) used for each environmental measurement. Data Quality Indicators (DQI) were evaluated to determine if the data is acceptable. Based on the data quality review, the data is acceptable for RECAP evaluation use.

6.4 INVESTIGATION-DERIVED WASTE DISPOSAL

Soil cuttings from the advancement of the soil borings and purge water from sampling the temporary wells were placed in 55-gallon drums. A composite soil sample was collected from the soil cuttings and analyzed per landfill requirement. All waste was disposed of at Waste Management Magnolia Landfill in Monroe, Louisiana. The waste manifest for disposal of the investigation-derived waste is included as **Appendix G, Waste Manifest**. Results of the laboratory analysis are included in **Appendix D**.

7.0 CONCLUSIONS

Based on the findings from the Phase II ESA, PPM concludes the following:

- Laboratory analysis of soil samples revealed that constituent concentrations in all samples were below the LDEQ RECAP Soil Screening Standards.

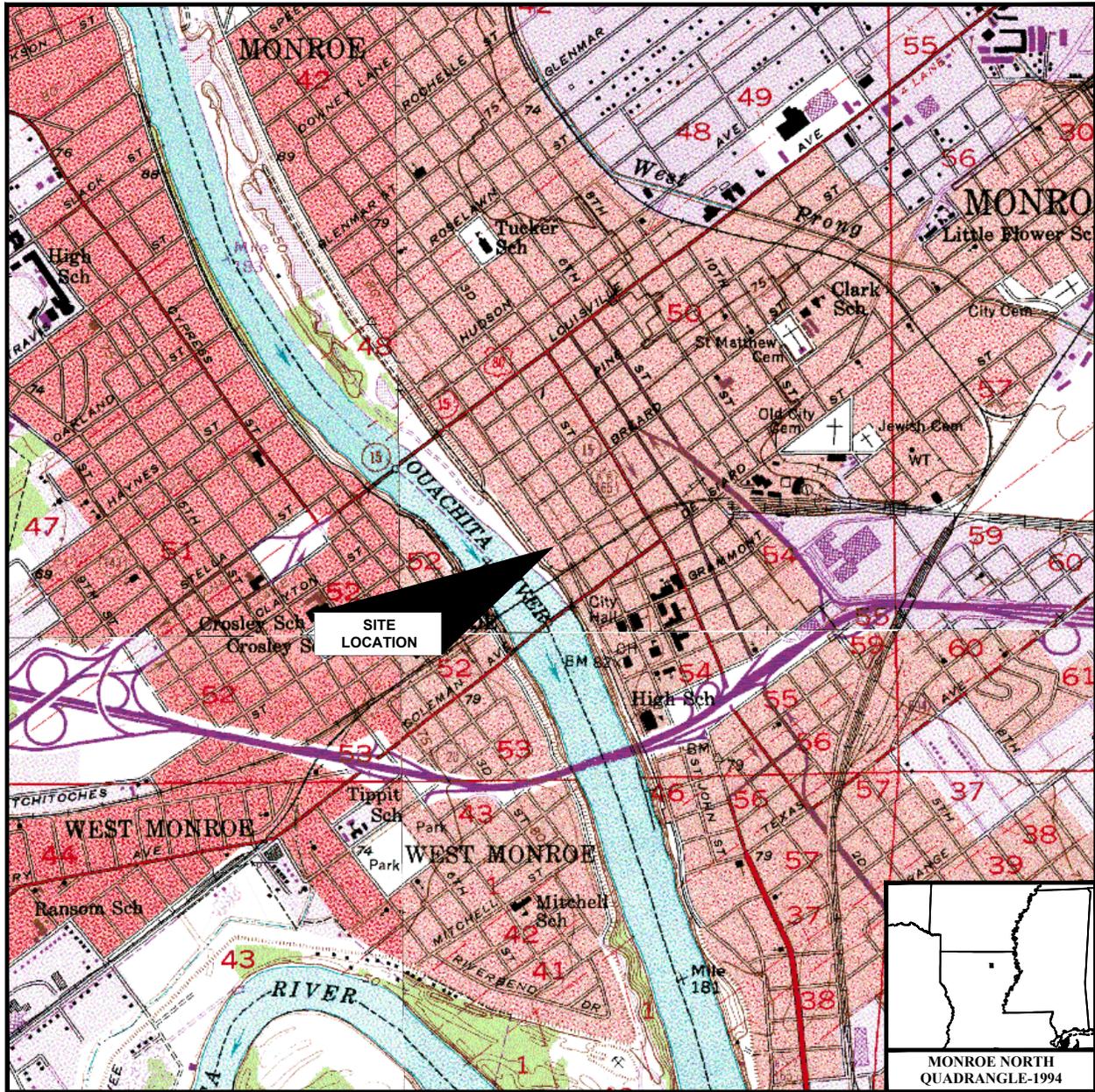
- Laboratory analysis of groundwater samples revealed that constituent concentrations in all samples were below the LDEQ RECAP Groundwater Screening Standards, except TPH-D and Benzo(a)-Pyrene.
- Subsequent to conducting a MO-1 RECAP evaluation, all COCs in groundwater were below the RECAP Standards.
- ACM was found in the structure at the property during the ACM survey.

8.0 RECOMMENDATIONS

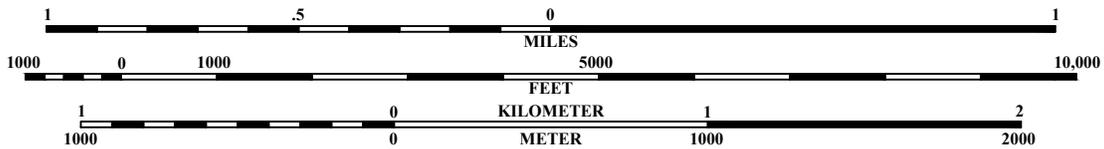
Based on the above conclusions, PPM recommends that the owner/operator of the property notify the LDEQ that constituent concentrations in groundwater exceeds RECAP Screening Standards. Since all concentrations in soil and groundwater are below the applicable Management Option 1 Standards, LDEQ will likely not require any additional actions at the site.

APPENDICES

APPENDIX A – FIGURES



SCALE: 1 : 24,000

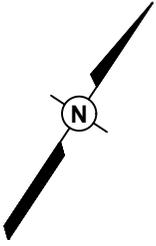


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DRAWN BY: JCP	DRAWN DATE: 07/09/21
PROJECT NUMBER: 11472001	PHASE: ESA2

CITY OF MONROE
FORMER OUACHITA CANDY COMPANY
 211 - 305 WALNUT STREET
 MONROE, LOUISIANA

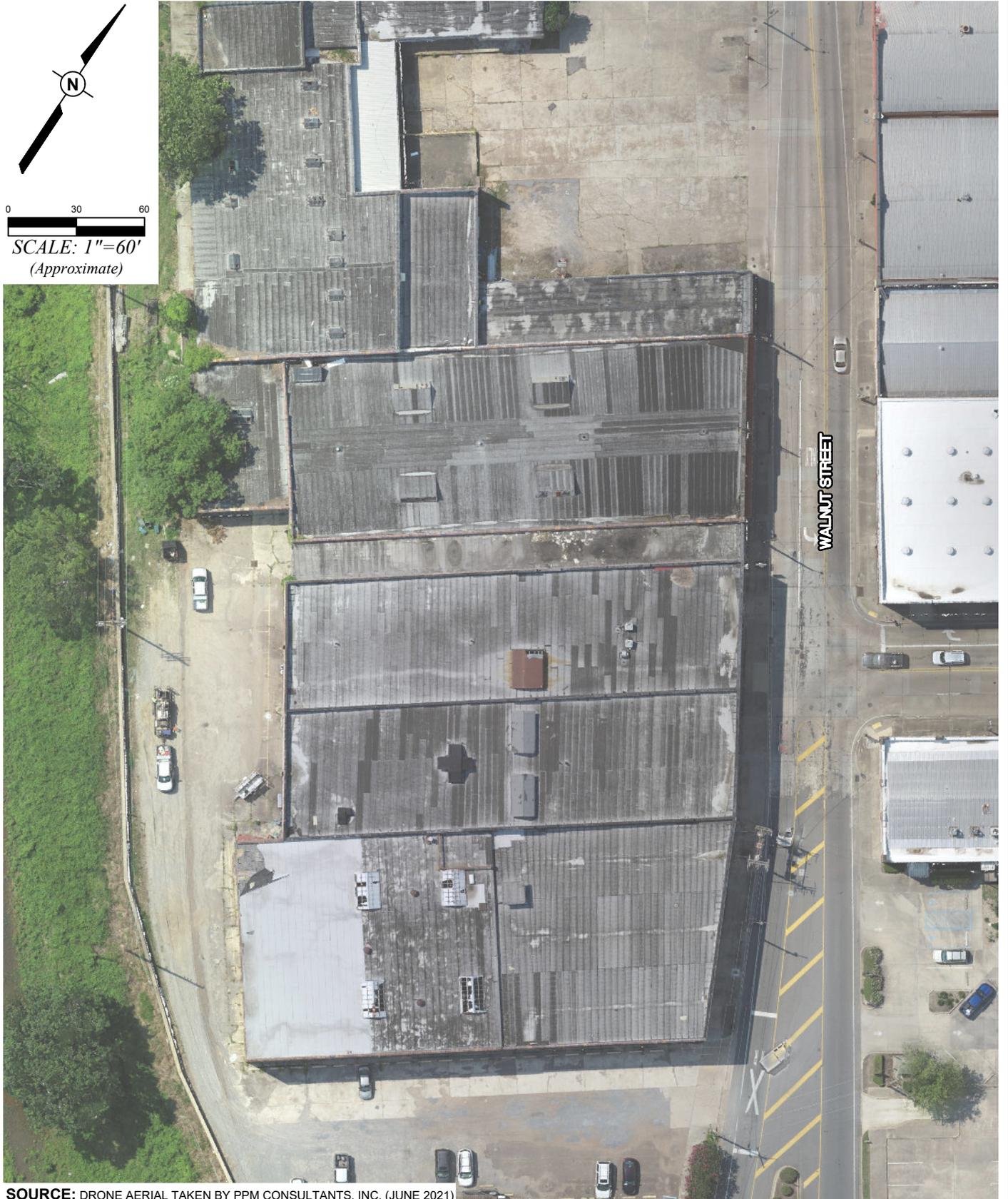
SITE LOCATION MAP

FIGURE
 NUMBER
1



0 30 60

SCALE: 1"=60'
(Approximate)



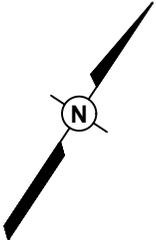
SOURCE: DRONE AERIAL TAKEN BY PPM CONSULTANTS, INC. (JUNE 2021)

PPM PPM CONSULTANTS, INC. www.ppmco.com	
DRAWN BY: JCP	DRAWN DATE: 07/08/21
PROJECT NUMBER: 11472001	PHASE: ESA2

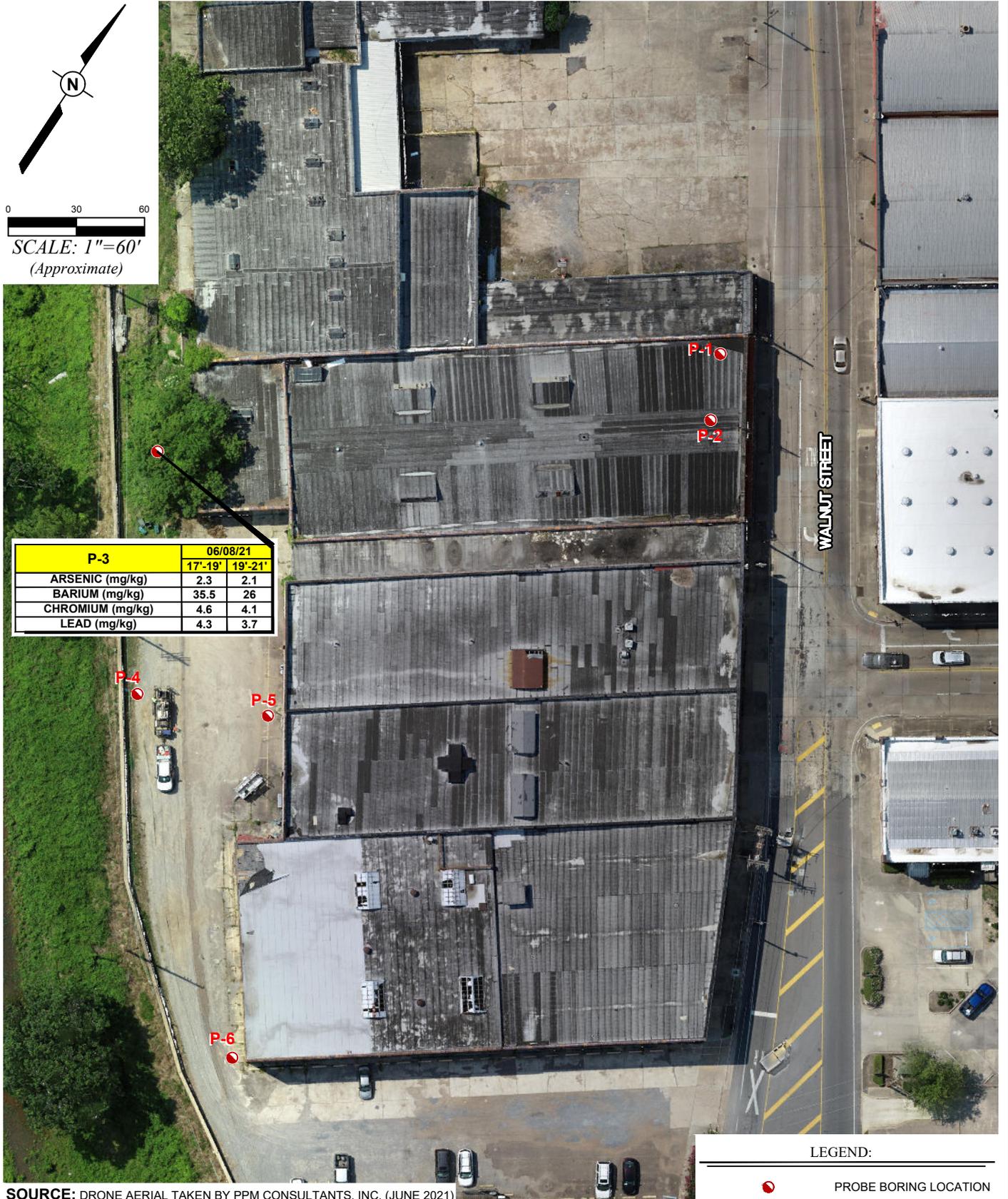
CITY OF MONROE
FORMER
OUACHITA CANDY COMPANY
211 - 305 WALNUT STREET
MONROE, LOUISIANA

SITE MAP

FIGURE NUMBER
2



0 30 60
SCALE: 1"=60'
 (Approximate)



P-3	06/08/21	
	17'-19'	19'-21'
ARSENIC (mg/kg)	2.3	2.1
BARIUM (mg/kg)	35.5	26
CHROMIUM (mg/kg)	4.6	4.1
LEAD (mg/kg)	4.3	3.7

LEGEND:

 PROBE BORING LOCATION

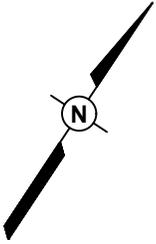
SOURCE: DRONE AERIAL TAKEN BY PPM CONSULTANTS, INC. (JUNE 2021)

PPM PPM CONSULTANTS, INC. www.ppmco.com	
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PROJECT NUMBER: 11472001	PHASE: ESA2

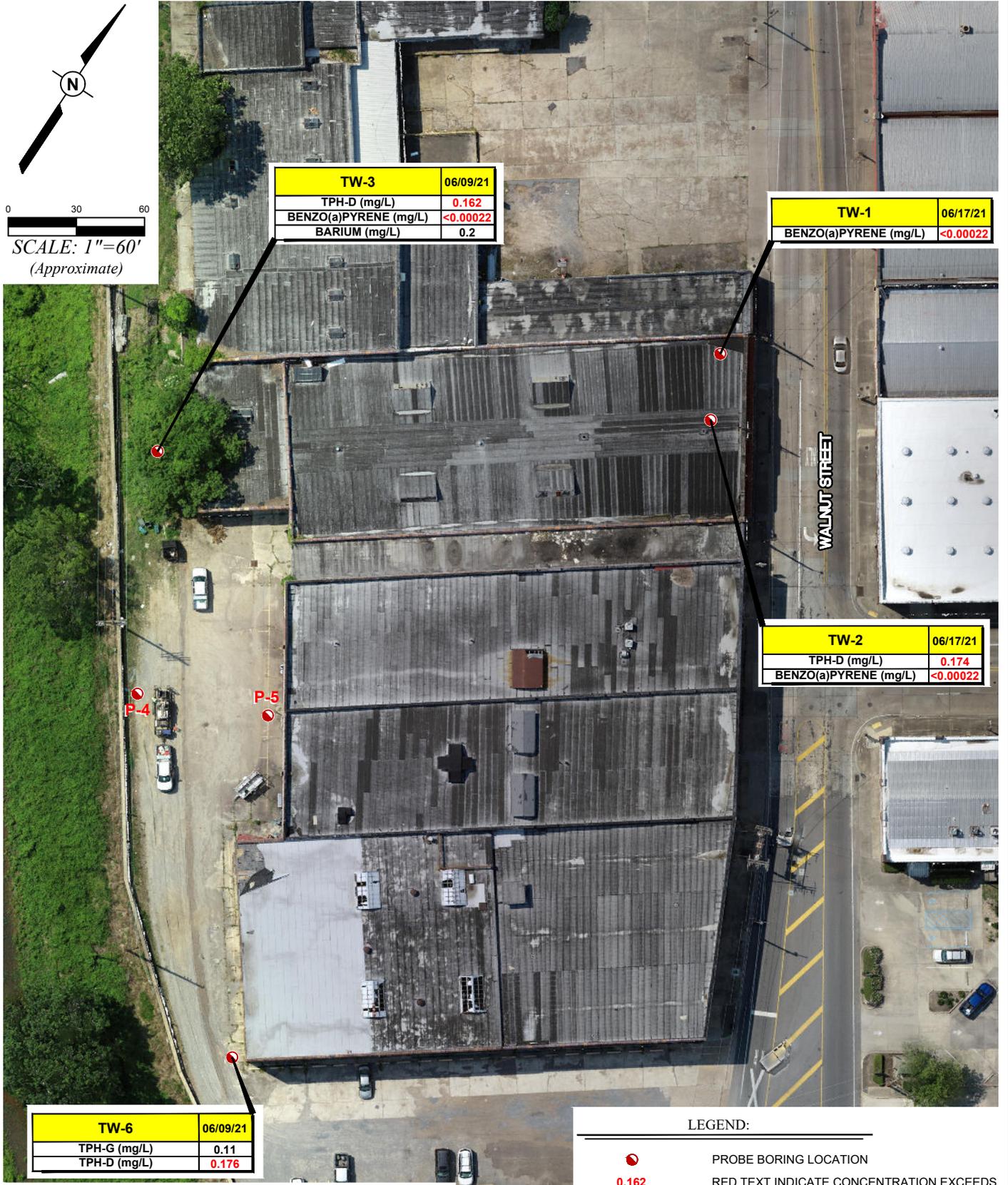
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 MONROE, LOUISIANA

CONSTITUENT
CONCENTRATIONS IN
SOIL

FIGURE
 NUMBER
3



0 30 60
 SCALE: 1"=60'
 (Approximate)



TW-3	06/09/21
TPH-D (mg/L)	0.162
BENZO(a)PYRENE (mg/L)	<0.00022
BARIUM (mg/L)	0.2

TW-1	06/17/21
BENZO(a)PYRENE (mg/L)	<0.00022

TW-2	06/17/21
TPH-D (mg/L)	0.174
BENZO(a)PYRENE (mg/L)	<0.00022

TW-6	06/09/21
TPH-G (mg/L)	0.11
TPH-D (mg/L)	0.176

LEGEND:



PROBE BORING LOCATION

RED TEXT INDICATE CONCENTRATION EXCEEDS THE RECAP SCREENING STANDARD

SOURCE: DRONE AERIAL TAKEN BY PPM CONSULTANTS, INC. (JUNE 2021)

PPM PPM CONSULTANTS, INC.
 www.ppmco.com

DRAWN BY:
JCP
 PROJECT NUMBER:
11472001

DRAWN DATE:
07/08/21
 PHASE:
ESA2

**CITY OF MONROE
 FORMER
 OUACHITA CANDY COMPANY
 211 - 305 WALNUT STREET
 MONROE, LOUISIANA**

**CONSTITUENT
 CONCENTRATIONS IN
 GROUNDWATER**

FIGURE
 NUMBER

4

APPENDIX B – GEOLOGIC BORING LOGS



LOG OF BORING: P-1

CONSULTANTS

Client / Site Information:

Client: City of Monroe
 Site: Ouachita Candy
 Location: Monroe, LA
 Agency Interest No.:
 PPM Project No.: 11472007/03/04
 Project Type: ESA II

Boring Information:

Date / Time: 06-17-21 / 11:00
 Logged By: Chance Skinner
 Drilling Company / Driller: Walker Hill / Marshall Dyess
 Drilling Method: DPT
 Total Boring Depth: 23 ft BGS
 Initial Saturation (ft)/Date: 15 ft BGS
 Static GW level (ft)/Date: NA
 Surface Elevation (ft): NA
 Sampling Interval: 2 ft Continuous

Well Information:

Well Type: 1" Temporary PVC
 Well Purpose: Sampling
 Well Construction Date: 06-17-21
 Total Well Depth: 23 ft BGS
 Screened Interval: 12.75-22.75 ft BGS
 Screen Slot Size: 0.010"
 Development Method: Pump
 Gallons Purged: <1

Depth in Feet	Surf. Elev.	Water Level	USCS	GRAPHIC	Water Levels		Sample	Blow Count	Headspace Concentration (ppmv)	Percent Recovery	Depth in Feet	Well Schematic: TW-1
					▼ Static GW level	▽ Initial Saturation						
DESCRIPTION												
0					Concrete						0	
			ML		CLAYEY SILT, moderate plasticity, soft, homogeneous, wet, brown		1	NA	0	100		
			ML		SILT, low plasticity, soft, homogeneous, wet, brown		2	NA	0	100		
5							3	NA	0	100		
			CL		SILTY CLAY, moderate plasticity, soft, homogeneous, wet, brown		4	NA	0	100		
			CL		SILTY CLAY, moderate plasticity, soft, homogeneous, moist, brown		5	NA	0	100		
							6	NA	0	100		
10							7	NA	0	100		
		▽			SILTY SAND, well graded, fine, homogeneous, moist, brown		8	NA	0*	100		
			SM		SILTY SAND, well graded, fine, homogeneous, wet, brown		9	NA	0	100		
							10	NA	0	100		
							11	NA	0*	100		
(Boring terminated @ 23.0 BGS.)												
25											25	

NOTES:

- Hand cleared to 4.0' BGS prior to drilling
- * Sample submitted for laboratory analysis
- Headspace conducted using Rae Systems Mini Rae 2000 calibrated with 100 ppm isobutylene span gas

- Soil descriptions generally based on visual inspection/professional judgment as described in ASTM D2488-09a: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Laboratory testing not conducted, and the data should not be used for engineering purposes.



LOG OF BORING: P-2

CONSULTANTS

Client / Site Information:

Client: City of Monroe
 Site: Ouachita Candy
 Location: Monroe, LA
 Agency Interest No.:
 PPM Project No.: 11472007/03/04
 Project Type: ESA II

Boring Information:

Date / Time: 06-17-21 / 12:10
 Logged By: Chance Skinner
 Drilling Company / Driller: Walker Hill / Marshall Dyess
 Drilling Method: DPT
 Total Boring Depth: 23 ft BGS
 Initial Saturation (ft)/Date: 13 ft BGS
 Static GW level (ft)/Date: NA
 Surface Elevation (ft): NA
 Sampling Interval: 2 ft Continuous

Well Information:

Well Type: 1" Temporary PVC
 Well Purpose: Sampling
 Well Construction Date: 06-17-21
 Total Well Depth: 23 ft BGS
 Screened Interval: 12.75-22.75 ft BGS
 Screen Slot Size: 0.010"
 Development Method: Pump
 Gallons Purged: <1

Depth in Feet	Surf. Elev.	Water Level	USCS	GRAPHIC	Water Levels		Sample	Blow Count	Headspace Concentration (ppmv)	Percent Recovery	Depth in Feet	Well Schematic: TW-2
					▼ Static GW level	▽ Initial Saturation						
DESCRIPTION												
0					Concrete						0	
			ML		CLAYEY SILT, moderate plasticity, soft, homogeneous, wet, brown		1	NA	0	100		
			ML		SILT, low plasticity, soft, homogeneous, wet, brown		2	NA	0	100		
5							3	NA	0	100		
			CL		SILTY CLAY, moderate plasticity, soft, homogeneous, wet, brown		4	NA	0	100		
			CL				5	NA	0	100		
10					SILTY CLAY, moderate plasticity, soft, homogeneous, moist, brown		6	NA	0	100		
		▽					7	NA	0*	100		
			SM		SILTY SAND, well graded, fine, homogeneous, wet, brown		8	NA	0	100		
15							9	NA	0	100		
							10	NA	0	100		
							11	NA	0*	100		
20												
25					(Boring terminated @ 23.0 BGS.)							

NOTES:

- Hand cleared to 4.0' BGS prior to drilling
- * Sample submitted for laboratory analysis
- Headspace conducted using Rae Systems Mini Rae 2000 calibrated with 100 ppm isobutylene span gas

- Soil descriptions generally based on visual inspection/professional judgment as described in ASTM D2488-09a: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Laboratory testing not conducted, and the data should not be used for engineering purposes.



LOG OF BORING: P-3

CONSULTANTS

Client / Site Information:

Client: City of Monroe
 Site: Ouachita Candy
 Location: Monroe, LA
 Agency Interest No.:
 PPM Project No.: 11472007/03/04
 Project Type: ESA II

Boring Information:

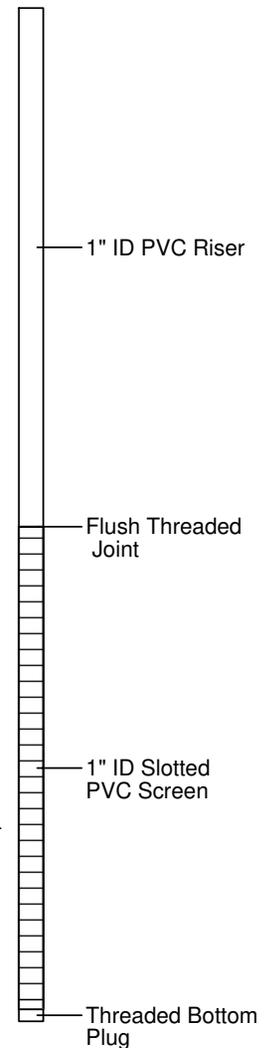
Date / Time: 06-8-21 / 09:30
 Logged By: Chance Skinner
 Drilling Company / Driller: Walker Hill / Bronson Depril
 Drilling Method: DPT
 Total Boring Depth: 21 ft BGS
 Initial Saturation (ft)/Date: 17 ft BGS
 Static GW level (ft)/Date: NA
 Surface Elevation (ft): NA
 Sampling Interval: 2 ft Continuous

Well Information:

Well Type: 1" Temporary PVC
 Well Purpose: Sampling
 Well Construction Date: 06-08-21
 Total Well Depth: 21 ft BGS
 Screened Interval: 10.75-20.75 ft BGS
 Screen Slot Size: 0.010"
 Development Method: Pump
 Gallons Purged: <1

Depth in Feet	Surf. Elev.	Water Level	USCS	GRAPHIC	Water Levels		DESCRIPTION	Sample	Blow Count	Headspace Concentration (ppmv)	Percent Recovery	Depth in Feet
					▼ Static GW level	▽ Initial Saturation						
0							GRASS					0
			MH				CLAYEY SILT, moderate plasticity, soft, homogeneous, wet, dark brown	1	NA	0	100	
								2	NA	0	100	
5			ML				CLAYEY SILT, low plasticity, soft, homogeneous, wet, dark brown	3	NA	0	100	
								4	NA	0	100	
			CL				SILTY CLAY, moderate plasticity, soft, homogeneous, wet, brown	5	NA	0	100	
10								6	NA	0	100	
			SC				CLAYEY SAND, well graded, fine, homogeneous, wet, brown	7	NA	0	100	
								8	NA	0	100	
15							SILTY SAND, well graded, fine, homogeneous, moist, light brown	9	NA	0*	100	
		▽	SM				SILTY SAND, well graded, fine, wet, light brown	10	NA	0*	100	
20												
(Boring terminated @ 21.0 BGS.)												

Well Schematic: TW-3



NOTES:

- Hand cleared to 4.0' BGS prior to drilling
- * Sample submitted for laboratory analysis
- Headspace conducted using Rae Systems Mini Rae 2000 calibrated with 100 ppm isobutylene span gas

- Soil descriptions generally based on visual inspection/professional judgment as described in ASTM D2488-09a: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Laboratory testing not conducted, and the data should not be used for engineering purposes.



LOG OF BORING: P-4

CONSULTANTS

Client / Site Information:

Client: City of Monroe
 Site: Ouachita Candy
 Location: Monroe, LA
 Agency Interest No.:
 PPM Project No.: 11472007/03/04
 Project Type: ESA II

Boring Information:

Date / Time: 06-8-21 / 11:15
 Logged By: Chance Skinner
 Drilling Company / Driller: Walker Hill / Bronson Depril
 Drilling Method: DPT
 Total Boring Depth: 25 ft BGS
 Initial Saturation (ft)/Date: 19 ft BGS
 Static GW level (ft)/Date: NA
 Surface Elevation (ft): NA
 Sampling Interval: 2 ft Continuous

Well Information:

Well Type: 1" Temporary PVC
 Well Purpose: Sampling
 Well Construction Date: 06-08-21
 Total Well Depth: 25 ft BGS
 Screened Interval: 14.75-24.75 ft BGS
 Screen Slot Size: 0.010"
 Development Method: Pump
 Gallons Purged: <1

Depth in Feet	Surf. Elev.	Water Level	USCS	GRAPHIC	Water Levels		DESCRIPTION	Sample	Blow Count	Headspace Concentration (ppmv)	Percent Recovery	Depth in Feet	Well Schematic: TW-4
					▼ Static GW level	▽ Initial Saturation							
0							GRAVEL					0	
			MH				CLAYEY SILT, moderate plasticity, soft, homogeneous, wet, brown	1	NA	0	100		
								2	NA	0	100		
5			ML				CLAYEY SILT, low plasticity, soft, homogeneous, wet, brown	3	NA	0	100	5	
								4	NA	0	100		
								5	NA	0	100		
10			CL				SILTY CLAY, moderate plasticity, soft, homogeneous, moist, brown	6	NA	0	100	10	
								7	NA	0	100		
								8	NA	0	100		
15								9	NA	0	100	15	
								10	NA	0*	100		
20			SM				SILTY SAND, well graded, fine, homogeneous, moist, grey	11	NA	0	100	20	
							SILTY SAND, well graded, fine, wet, light brown	12	NA	0*	100		
			SC				CLAYEY SAND, well graded, fine, homogeneous, wet, grey						
25							(Boring terminated @ 25.0 BGS.)					25	

NOTES:

- Hand cleared to 4.0' BGS prior to drilling
- * Sample submitted for laboratory analysis
- Headspace conducted using Rae Systems Mini Rae 2000 calibrated with 100 ppm isobutylene span gas

- Soil descriptions generally based on visual inspection/professional judgment as described in ASTM D2488-09a: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Laboratory testing not conducted, and the data should not be used for engineering purposes.



LOG OF BORING: P-5

CONSULTANTS

<p>Client / Site Information:</p> <p>Client: City of Monroe Site: Ouachita Candy Location: Monroe, LA Agency Interest No.: PPM Project No.: 11472007/03/04 Project Type: ESA II</p>	<p>Boring Information:</p> <p>Date / Time: 06-8-21 / 14:15 Logged By: Chance Skinner Drilling Company / Driller: Walker Hill / Bronson Depril Drilling Method: DPT Total Boring Depth: 25 ft BGS Initial Saturation (ft)/Date: 19 ft BGS Static GW level (ft)/Date: NA Surface Elevation (ft): NA Sampling Interval: 2 ft Continuous</p>	<p>Well Information:</p> <p>Well Type: 1" Temporary PVC Well Purpose: Sampling Well Construction Date: 06-08-21 Total Well Depth: 25 ft BGS Screened Interval: 14.75-24.75 ft BGS Screen Slot Size: 0.010" Development Method: Pump Gallons Purged: <1</p>
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Depth in Feet	Surf. Elev.	Water Level	USCS	GRAPHIC	Water Levels	Sample	Blow Count	Headspace Concentration (ppmv)	Percent Recovery	Depth in Feet	Well Schematic: TW-5
					▼ Static GW level ▽ Initial Saturation						
0					ASPHALT					0	
0-5			ML		CLAYEY SILT, low plasticity, soft, homogeneous, wet, light brown	1	NA	0	100		
0-5						2	NA	0	100		
5-10			MH		CLAYEY SILT, moderate plasticity, soft, homogeneous, wet, brown	3	NA	0	100		
5-10						4	NA	0	100		
5-10						5	NA	0	100		
5-10						6	NA	0	100		
10-15			SC		CLAYEY SAND, well graded, fine, homogeneous, moist, light brown	7	NA	0	100		
10-15						8	NA	0	100		
10-15						9	NA	0	100		
15-20			CL		SILTY CLAY, moderate plasticity, soft, homogeneous, moist, grey	10	NA	0*	100		
15-20						11	NA	0	100		
20-25			SM		SILTY SAND, well graded, fine, homogeneous, wet, light brown	12	NA	40*	100		
20-25											
25			ML		CLAYEY SILT, low plasticity, soft, homogeneous, saturated, grey						
(Boring terminated @ 25.0 BGS.)											

NOTES:

- Hand cleared to 4.0' BGS prior to drilling
- * Sample submitted for laboratory analysis
- Headspace conducted using Rae Systems Mini Rae 2000 calibrated with 100 ppm isobutylene span gas

- Soil descriptions generally based on visual inspection/professional judgment as described in ASTM D2488-09a: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Laboratory testing not conducted, and the data should not be used for engineering purposes.



LOG OF BORING: P-6

CONSULTANTS

Client / Site Information: Client: City of Monroe Site: Ouachita Candy Location: Monroe, LA Agency Interest No.: PPM Project No.: 11472007/03/04 Project Type: ESA II	Boring Information: Date / Time: 06-8-21 / 16:00 Logged By: Chance Skinner Drilling Company / Driller: Walker Hill / Bronson Depril Drilling Method: DPT Total Boring Depth: 25 ft BGS Initial Saturation (ft)/Date: 19 ft BGS Static GW level (ft)/Date: NA Surface Elevation (ft): NA Sampling Interval: 2 ft Continuous	Well Information: Well Type: 1" Temporary PVC Well Purpose: Sampling Well Construction Date: 06-08-21 Total Well Depth: 25 ft BGS Screened Interval: 14.75-24.75 ft BGS Screen Slot Size: 0.010" Development Method: Pump Gallons Purged: <1
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Depth in Feet	Surf. Elev.	Water Level	USCS	GRAPHIC	Water Levels	Sample	Blow Count	Headspace Concentration (ppmv)	Percent Recovery	Depth in Feet	Well Schematic: TW-6
					▼ Static GW level ▽ Initial Saturation						
0					ASPHALT					0	
0-5			ML		CLAYEY SILT, low plasticity, soft, homogeneous, wet, brown	1	NA	0	100		
5-6			ML			2	NA	0	100		
6-7			ML			3	NA	0	100		
7-8			MH		CLAYEY SILT, moderate plasticity, soft, homogeneous, wet, brown	4	NA	0	100		
8-9			MH			5	NA	0	100		
9-10			CL		SILTY CLAY, moderate plasticity, soft, homogeneous, wet, brown	6	NA	0	100		
10-11			CL			7	NA	0	100		
11-12			SC		CLAYEY SAND, well graded, fine, homogeneous, moist, light brown	8	NA	0	100		
12-13			SC			9	NA	0	100		
13-14			CL		SILTY CLAY, moderate plasticity, soft, homogeneous, moist, bn	10	NA	0*	100		
14-15			CL			11	NA	0	100		
15-16			SM		SILTY SAND, well graded, fine, homogeneous, wet, light brown	12	NA	0*	100		
16-17			SM								
17-18			ML		CLAYEY SILT, low plasticity, soft, homogeneous, wet, grey						
18-19			ML								
19-20											
20-21											
21-22											
22-23											
23-24											
24-25											
<i>(Boring terminated @ 25.0 BGS. S-13 duplicate of S-10.)</i>											

NOTES:

- Hand cleared to 4.0' BGS prior to drilling
- * Sample submitted for laboratory analysis
- Headspace conducted using Rae Systems Mini Rae 2000 calibrated with 100 ppm isobutylene span gas

- Soil descriptions generally based on visual inspection/professional judgment as described in ASTM D2488-09a: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). Laboratory testing not conducted, and the data should not be used for engineering purposes.

APPENDIX C – TABLES

**TABLE C-1
SOIL ANALYTICAL SUMMARY**

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Headspace	Code	Benzene	Code	Toluene	Code	Ethyl-Benzene	Code	Xylenes	Code	TPH-G	Code	TPH-D	Code	TPH-O	Code	Acenaphthene
P-1	P-1/S-8	15	17	06/17/2021	0	<	0.05	<	0.05	<	0.05	<	0.15	<	5	<	5	<	5	<	0.0099
P-1	P-1/S-11	21	23	06/17/2021	0	<	0.05	<	0.05	<	0.05	<	0.15	<	5	<	5	<	5	<	0.01
P-2	P-2/S-7	13	15	06/17/2021	0	<	0.047	<	0.047	<	0.047	<	0.14	<	4.7	<	5	<	5	<	0.0098
P-2	P-2/S-11	21	23	06/17/2021	0	<	0.047	<	0.047	<	0.047	<	0.14	<	4.7	<	5	<	5	<	0.0099
P-3	P-3/S-9	17	19	06/08/2021	0	<	0.046	<	0.046	<	0.046	<	0.14	<	4.6	<	4.9	<	4.9	<	0.01
P-3	P-3/S-10	19	21	06/08/2021	0	<	0.05	<	0.05	<	0.05	<	0.15	<	5	<	4.9	<	4.9	<	0.01
P-4	P-4/S-10	19	21	06/08/2021	0	<	0.049	<	0.049	<	0.049	<	0.15	<	4.9	<	4.9		NA		NA
P-4	P-4/S-12	23	25	06/08/2021	0	<	0.049	<	0.049	<	0.049	<	0.15	<	4.9	<	4.9		NA		NA
P-5	P-5/S-10	19	21	06/08/2021	0	<	0.045	<	0.045	<	0.045	<	0.14	<	4.5		NA		NA		NA
P-5	P-5/S-12	23	25	06/08/2021	40	<	0.045	<	0.045	<	0.045	<	0.14	<	4.5		NA		NA		NA
P-6	P-6/S-10	19	21	06/08/2021	0	<	0.046	<	0.046	<	0.046	<	0.14	<	4.9	<	4.9		NA		NA
P-6	P-6/S-12	23	25	06/08/2021	0	<	0.046	<	0.046	<	0.046	<	0.14	<	4.6	<	5		NA		NA
Minimum Concentration						<	0.045	<	0.045	<	0.045	<	0.14	<	4.5	<	4.9	<	4.9	<	0.0098
Maximum Concentration						<	0.05	<	0.05	<	0.05	<	0.15	<	5	<	5	<	5	<	0.01
RECAP Screening Standards							0.051		20		19		121		65		65		2518		215
RECAP Non-Industrial Screening Standards							1.5		68		164		18		65		65		179		374

Notes:

Bold RED type indicate concentration exceeds the RECAP SS.

NA - Not Analyzed for Parameter

All concentrations are in milligrams per kilogram (mg/kg).

**TABLE C-1
SOIL ANALYTICAL SUMMARY**

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Headspace	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene	Code	Dibenz(a,h)-anthracene
P-1	P-1/S-8	15	17	06/17/2021	0	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099
P-1	P-1/S-11	21	23	06/17/2021	0	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
P-2	P-2/S-7	13	15	06/17/2021	0	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098
P-2	P-2/S-11	21	23	06/17/2021	0	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099
P-3	P-3/S-9	17	19	06/08/2021	0	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
P-3	P-3/S-10	19	21	06/08/2021	0	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
P-4	P-4/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA
P-4	P-4/S-12	23	25	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA
P-5	P-5/S-12	23	25	06/08/2021	40		NA		NA		NA		NA		NA		NA		NA		NA
P-6	P-6/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA
P-6	P-6/S-12	23	25	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA
Minimum Concentration						<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098
Maximum Concentration						<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01
RECAP Screening Standards							88		121		2.9		0.33		2.9		29		76		0.33
RECAP Non-Industrial Screening Standards							347		2188		0.62		0.33		0.62		6.2		62		0.33

Notes:

Bold RED type indicate concentration exceeds the RECAP SS.

NA - Not Analyzed for Parameter

All concentrations are in milligrams per kilogram (mg/kg).

**TABLE C-1
SOIL ANALYTICAL SUMMARY**

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Headspace	Code	Fluoranthene	Code	Fluorene	Code	Indeno(1,2,3-cd)-pyrene	Code	Methyl naphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene	Code	Arsenic	Code	Barium	
P-1	P-1/S-8	15	17	06/17/2021	0	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099		NA	NA
P-1	P-1/S-11	21	23	06/17/2021	0	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01		NA	NA
P-2	P-2/S-7	13	15	06/17/2021	0	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098		NA	NA
P-2	P-2/S-11	21	23	06/17/2021	0	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099	<	0.0099		NA	NA
P-3	P-3/S-9	17	19	06/08/2021	0	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01		2.3	35.5
P-3	P-3/S-10	19	21	06/08/2021	0	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01		2.1	26
P-4	P-4/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA		NA	NA
P-4	P-4/S-12	23	25	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA		NA	NA
P-5	P-5/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA		NA	NA
P-5	P-5/S-12	23	25	06/08/2021	40		NA		NA		NA		NA		NA		NA		NA		NA		NA	NA
P-6	P-6/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA		NA	NA
P-6	P-6/S-12	23	25	06/08/2021	0		NA		NA		NA		NA		NA		NA		NA		NA		NA	NA
Minimum Concentration						<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098	<	0.0098		2.1	26
Maximum Concentration						<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01	<	0.01		2.3	35.5
RECAP Screening Standards							1213		226		2.9		1.7		1.5		665		1101		12		2000	
RECAP Non-Industrial Screening Standards							224		276		0.62		22		6.2		2109		229		12		548	

Notes:
Bold RED type indicate concentration exceeds the RECAP SS.
 NA - Not Analyzed for Parameter
 All concentrations are in milligrams per kilogram (mg/kg).

**TABLE C-1
SOIL ANALYTICAL SUMMARY**

Boring ID	Sample ID	Top Interval (ft)	Bottom Interval (ft)	Sample Date	Headspace	Code	Cadmium	Code	Chromium	Code	Lead	Code	Mercury	Code	Selenium	Code	Silver
P-1	P-1/S-8	15	17	06/17/2021	0		NA		NA		NA		NA		NA		NA
P-1	P-1/S-11	21	23	06/17/2021	0		NA		NA		NA		NA		NA		NA
P-2	P-2/S-7	13	15	06/17/2021	0		NA		NA		NA		NA		NA		NA
P-2	P-2/S-11	21	23	06/17/2021	0		NA		NA		NA		NA		NA		NA
P-3	P-3/S-9	17	19	06/08/2021	0	<	0.5		4.6		4.3	<	0.074	<	1	<	1
P-3	P-3/S-10	19	21	06/08/2021	0	<	0.49		4.1		3.7	<	0.069	<	0.98	<	0.98
P-4	P-4/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA
P-4	P-4/S-12	23	25	06/08/2021	0		NA		NA		NA		NA		NA		NA
P-5	P-5/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA
P-5	P-5/S-12	23	25	06/08/2021	40		NA		NA		NA		NA		NA		NA
P-6	P-6/S-10	19	21	06/08/2021	0		NA		NA		NA		NA		NA		NA
P-6	P-6/S-12	23	25	06/08/2021	0		NA		NA		NA		NA		NA		NA
Minimum Concentration						<	0.49		4.1		3.7	<	0.069	<	0.98	<	0.98
Maximum Concentration						<	0.5		4.6		4.3	<	0.074	<	1	<	1
RECAP Screening Standards							20		100		100		4		20		100
RECAP Non-Industrial Screening Standards							3.9		11732		400		2.3		39		39

Notes:

Bold RED type indicate concentration exceeds the RECAP SS.

NA - Not Analyzed for Parameter

All concentrations are in milligrams per kilogram (mg/kg).

**TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY**

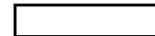
Temporary Well ID	Sample Date	Code	Benzene	Code	Toluene	Code	Ethyl-Benzene	Code	Xylenes	Code	TPH-G	Code	TPH-D	Code	TPH-O	Code	Acenaphthene
TW-1	06/17/2021	<	0.001	<	0.001	<	0.001	<	0.003	<	0.1	<	0.14	<	0.14	<	0.00022
TW-2	06/17/2021	<	0.001	<	0.001	<	0.001	<	0.003	<	0.1	<	0.174	<	0.14	<	0.00022
TW-3	06/09/2021	<	0.001	<	0.001	<	0.001	<	0.003	<	0.1	<	0.162	<	0.14	<	0.00022
TW-4	06/09/2021	<	0.001	<	0.001	<	0.001	<	0.003	<	0.1	<	0.14		NA		NA
TW-5	06/09/2021	<	0.001	<	0.001	<	0.001	<	0.003	<	0.1		NA		NA		NA
TW-6	06/09/2021	<	0.001	<	0.001	<	0.001	<	0.003		0.11		0.176		NA		NA
<i>this row is intentionally left blank!</i>																	
Minimum Concentrations		<	0.001	<	0.001	<	0.001	<	0.003	<	0.1	<	0.14	<	0.14	<	0.00022
Maximum Concentrations		<	0.001	<	0.001	<	0.001	<	0.003		0.11		0.176	<	0.14	<	0.00022
Screening Standards			0.005		1		0.7		10		0.15		0.15		0.15		0.04

Notes:

Bold RED type indicate concentration exceeds the RECAP Screening Standard.

NA - Not Analyzed for Parameter

All concentrations are in milligrams per liter (mg/L).



**TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY**

Temporary Well ID	Sample Date	Code	Acenaphthylene	Code	Anthracene	Code	Benz(a)-anthracene	Code	Benzo(a)-pyrene	Code	Benzo(b)-fluoranthene	Code	Benzo(k)-fluoranthene	Code	Chrysene	Code	Dibenz(a,h)-anthracene
TW-1	06/17/2021	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022
TW-2	06/17/2021	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022
TW-3	06/09/2021	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022
TW-4	06/09/2021		NA		NA		NA		NA		NA		NA		NA		NA
TW-5	06/09/2021		NA		NA		NA		NA		NA		NA		NA		NA
TW-6	06/09/2021		NA		NA		NA		NA		NA		NA		NA		NA
<i>This row is intentionally left blank!</i>																	
Minimum Concentrations		<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022
Maximum Concentrations		<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022
Screening Standards			0.1		0.04		0.008		0.0002		0.005		0.003		0.002		0.003

Notes:
Bold RED type indicate concentration exceeds the RECAP Screening Standard.
 NA - Not Analyzed for Parameter
 All concentrations are in milligrams per liter (mg/L).

**TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY**

Temporary Well ID	Sample Date	Code	Fluoranthene	Code	Fluorene	Code	Indeno(1,2,3-cd)-pyrene	Code	Methyl naphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene	Code	Arsenic
TW-1	06/17/2021	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022		NA
TW-2	06/17/2021	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022		NA
TW-3	06/09/2021	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.01
TW-4	06/09/2021		NA		NA		NA		NA		NA		NA		NA		NA
TW-5	06/09/2021		NA		NA		NA		NA		NA		NA		NA		NA
TW-6	06/09/2021		NA		NA		NA		NA		NA		NA		NA		NA
<i>This row is intentionally left blank!</i>																	
Minimum Concentrations		<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.01
Maximum Concentrations		<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.00022	<	0.01
Screening Standards			0.15		0.02		0.004		0.001		0.01		0.18		0.02		0.01

Notes:
Bold RED type indicate concentration exceeds the RECAP Screening Standard.
 NA - Not Analyzed for Parameter
 All concentrations are in milligrams per liter (mg/L).

**TABLE C-2
GROUNDWATER ANALYTICAL SUMMARY**

Temporary Well ID	Sample Date	Code	Barium	Code	Cadmium	Code	Chromium (III)	Code	Lead	Code	Mercury (inorganic)	Code	Selenium	Code	Silver
TW-1	06/17/2021		NA		NA		NA		NA		NA		NA		NA
TW-2	06/17/2021		NA		NA		NA		NA		NA		NA		NA
TW-3	06/09/2021		0.2	<	0.005	<	0.01	<	0.01	<	0.0002	<	0.01	<	0.01
TW-4	06/09/2021		NA		NA		NA		NA		NA		NA		NA
TW-5	06/09/2021		NA		NA		NA		NA		NA		NA		NA
TW-6	06/09/2021		NA		NA		NA		NA		NA		NA		NA
<i>This row is intentionally left blank!</i>															
Minimum Concentrations			0.2	<	0.005	<	0.01	<	0.01	<	0.0002	<	0.01	<	0.01
Maximum Concentrations			0.2	<	0.005	<	0.01	<	0.01	<	0.0002	<	0.01	<	0.01
Screening Standards			2		0.005		0.1		0.015		0.002		0.05		0.018

Notes:

Bold RED type indicate concentration exceeds the RECAP Screening Standard.

NA - Not Analyzed for Parameter

All concentrations are in milligrams per liter (mg/L).

**TABLE C-3
QA/QC DATA SUMMARY**

	BORING/ WELL ID	SAMPLE ID	SAMPLE DUPLICATED	SAMPLE DATE	MEDIA	Code	Benzene	Code	Toluene	Code	Ethyl- Benzene	Code	Xylenes	Code	TPH-G	Code	TPH-D	Code	TPH-O	Code	Acenaphthene	Code	Acenaphthylene
Duplicate Results	P-6	S-13	P-6/S-10	06/08/2021	Soil	<	0.045	<	0.045	<	0.045	<	0.13	<	4.5	<	4.9		NA		NA		NA
Actual Results	P-6	S-10	--	06/08/2021	Soil	<	0.046	<	0.046	<	0.046	<	0.14	<	4.9	<	4.9		NA		NA		NA
% Difference							2.2%		2.2%		2.2%		7.1%		8.2%		0.0%						
Duplicate Results	--	DW-1	TW-4	06/09/2021	Groundwater	<	0.001	<	0.001	<	0.001	<	0.003	<	0.1		0.292		NA		NA		NA
Actual Results	--	TW-4	--	06/09/2021	Groundwater	<	0.001	<	0.001	<	0.001	<	0.003	<	0.1	<	0.14		NA		NA		NA
% Difference							0.0%		0.0%		0.0%		0.0%		0.0%		108.6%						
Trip Blank		Trip Blank	--	06/08/2021	Water	<	0.001	<	0.001	<	0.001	<	0.003	<	0.10		NA		NA		NA		NA
Trip Blank		Trip Blank	--	06/17/2021	Water	<	0.001	<	0.001	<	0.001	<	0.003	<	0.10		NA		NA		NA		NA
Field Blank		Blank	--	06/08/2021	Water	<	0.001	<	0.001	<	0.001	<	0.003	<	0.10	<	0.14	<	0.14		0.00018	<	0.00018
Field Blank		Blank	--	06/09/2021	Water	<	0.001	<	0.001	<	0.001	<	0.003	<	0.10	<	0.14	<	0.14		0.00019	<	0.00019
Field Blank		Blank	--	06/17/2021	Water	<	0.001	<	0.001	<	0.001	<	0.003	<	0.10	<	0.14	<	0.14		NA		NA
Decon Rinse		Rinse	--	06/08/2021	Water	<	0.001	<	0.001	<	0.001	<	0.003	<	0.10	<	0.14	<	0.14		0.00018	<	0.00018
Decon Rinse		Rinse	--	06/17/2021	Water	<	0.001	<	0.001	<	0.001	<	0.003	<	0.10	<	0.14	<	0.14		0.00018	<	0.00018

Notes:

All concentrations in groundwater are in milligrams per liter (mg/L).

All concentrations in soil are in milligrams per kilogram (mg/kg).

Rinsate, Trip Blank and Field Blank laboratory data is included in Appendix D.

NA - Not Analyzed for Parameter

**TABLE C-3
QA/QC DATA SUMMARY**

	BORING/ WELL ID	SAMPLE ID	SAMPLE DUPLICATED	SAMPLE DATE	MEDIA	Code	Anthracene	Code	Benz(a)- anthracene	Code	Benzo(a)- pyrene	Code	Benzo(b)- fluoranthene	Code	Benzo(k)- fluoranthene	Code	Chrysene	Code	Dibenz(a,h)- anthracene
Duplicate Results	P-6	S-13	P-6/S-10	06/08/2021	Soil		NA		NA		NA		NA		NA		NA		NA
Actual Results	P-6	S-10	--	06/08/2021	Soil		NA		NA		NA		NA		NA		NA		NA
% Difference																			
Duplicate Results	--	DW-1	TW-4	06/09/2021	Groundwater		NA		NA		NA		NA		NA		NA		NA
Actual Results	--	TW-4	--	06/09/2021	Groundwater		NA		NA		NA		NA		NA		NA		NA
% Difference																			
Trip Blank		Trip Blank	--	06/08/2021	Water		NA		NA		NA		NA		NA		NA		NA
Trip Blank		Trip Blank	--	06/17/2021	Water		NA		NA		NA		NA		NA		NA		NA
Field Blank		Blank	--	06/08/2021	Water	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018
Field Blank		Blank	--	06/09/2021	Water	<	0.00019	<	0.00019	<	0.00019	<	0.00019	<	0.00019	<	0.00019	<	0.00019
Field Blank		Blank	--	06/17/2021	Water		NA		NA		NA		NA		NA		NA		NA
Decon Rinse		Rinse	--	06/08/2021	Water	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018
Decon Rinse		Rinse	--	06/17/2021	Water	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018

Notes:

All concentrations in groundwater are in milligrams per liter (mg/L).
All concentrations in soil are in milligrams per kilogram (mg/kg).
Rinsate, Trip Blank and Field Blank laboratory data is included in Appendix D.
NA - Not Analyzed for Parameter

**TABLE C-3
QA/QC DATA SUMMARY**

	BORING/ WELL ID	SAMPLE ID	SAMPLE DUPLICATED	SAMPLE DATE	MEDIA	Code	Fluoranthene	Code	Fluorene	Code	Indeno(1,2,3-cd)- pyrene	Code	Methyl naphthalene,2-	Code	Naphthalene	Code	Phenanthrene	Code	Pyrene	Code	Arsenic
Duplicate Results	P-6	S-13	P-6/S-10	06/08/2021	Soil		NA		NA		NA		NA		NA		NA		NA		NA
Actual Results	P-6	S-10	--	06/08/2021	Soil		NA		NA		NA		NA		NA		NA		NA		NA
% Difference																					
Duplicate Results	--	DW-1	TW-4	06/09/2021	Groundwater		NA		NA		NA		NA		NA		NA		NA		NA
Actual Results	--	TW-4	--	06/09/2021	Groundwater		NA		NA		NA		NA		NA		NA		NA		NA
% Difference																					
Trip Blank		Trip Blank	--	06/08/2021	Water		NA		NA		NA		NA		NA		NA		NA		NA
Trip Blank		Trip Blank	--	06/17/2021	Water		NA		NA		NA		NA		NA		NA		NA		NA
Field Blank		Blank	--	06/08/2021	Water	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.01
Field Blank		Blank	--	06/09/2021	Water	<	0.00019	<	0.00019	<	0.00019	<	0.00019	<	0.00019	<	0.00019	<	0.00019	<	0.01
Field Blank		Blank	--	06/17/2021	Water		NA		NA		NA		NA		NA		NA		NA		NA
Decon Rinse		Rinse	--	06/08/2021	Water	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.01
Decon Rinse		Rinse	--	06/17/2021	Water	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.00018	<	0.01

Notes:

All concentrations in groundwater are in milligrams per liter (mg/L).

All concentrations in soil are in milligrams per kilogram (mg/kg).

Rinsate, Trip Blank and Field Blank laboratory data is included in Appendix D.

NA - Not Analyzed for Parameter

**TABLE C-3
QA/QC DATA SUMMARY**

	BORING/ WELL ID	SAMPLE ID	SAMPLE DUPLICATED	SAMPLE DATE	MEDIA	Code	Barium	Code	Cadmium	Code	Chromium	Code	Lead	Code	Mercury	Code	Selenium	Code	Silver
Duplicate Results	P-6	S-13	P-6/S-10	06/08/2021	Soil		NA		NA		NA		NA		NA		NA		NA
Actual Results	P-6	S-10	--	06/08/2021	Soil		NA		NA		NA		NA		NA		NA		NA
% Difference																			
Duplicate Results	--	DW-1	TW-4	06/09/2021	Groundwater		NA		NA		NA		NA		NA		NA		NA
Actual Results	--	TW-4	--	06/09/2021	Groundwater		NA		NA		NA		NA		NA		NA		NA
% Difference																			
Trip Blank		Trip Blank	--	06/08/2021	Water		NA		NA		NA		NA		NA		NA		NA
Trip Blank		Trip Blank	--	06/17/2021	Water		NA		NA		NA		NA		NA		NA		NA
Field Blank		Blank	--	06/08/2021	Water		0.0228	<	0.005	<	0.01	<	0.01	<	0.0002	<	0.01	<	0.01
Field Blank		Blank	--	06/09/2021	Water		0.0226	<	0.005	<	0.01	<	0.01	<	0.0002	<	0.01	<	0.01
Field Blank		Blank	--	06/17/2021	Water		NA		NA		NA		NA		NA		NA		NA
Decon Rinse		Rinse	--	06/08/2021	Water		0.0243	<	0.005	<	0.01	<	0.01	<	0.0002	<	0.01	<	0.01
Decon Rinse		Rinse	--	06/17/2021	Water		NA		NA		NA		NA		NA		NA		NA

Notes:

All concentrations in groundwater are in milligrams per liter (mg/L).
 All concentrations in soil are in milligrams per kilogram (mg/kg).
 Rinsate, Trip Blank and Field Blank laboratory data is included in Appendix D.
 NA - Not Analyzed for Parameter

APPENDIX D – LABORATORY ANALYTICAL REPORTS

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

PPM Consultants

Ouachita Candy-Monroe, LA

11472001/04/03

SGS Job Number: LA71905

Sampling Date: 06/08/21



Report to:

PPM Consultants
1600 Lamy Lane
Monroe, LA 71201
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Chris.Sampognaro@ppmco.com; jared.saterfiel@ppmco.com;
ATTN: Shawn Ivey

Total number of pages in report: 94



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Ron Benjamin
Lab Director

Client Service contact: Amy Jackson 337-237-4775

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31), NC(487), SC(73004001), NJ(LA007), TX(T104704186-18-16), WV(257)

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Test results relate only to samples analyzed.

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Sample Summary

PPM Consultants

Job No: LA71905

Ouachita Candy-Monroe, LA
 Project No: 11472001/04/03

Sample Number	Collected Date	Time By	Matrix Received	Code Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
 Organics ND = Not detected above the RL

LA71905-1	06/08/21	10:30	CS	06/09/21	SO Soil	P-3/S-9
LA71905-2	06/08/21	10:35	CS	06/09/21	SO Soil	P-3/S-10
LA71905-3	06/08/21	11:50	CS	06/09/21	SO Soil	P-4/S-10
LA71905-4	06/08/21	11:55	CS	06/09/21	SO Soil	P-4/S-12
LA71905-5	06/08/21	14:35	CS	06/09/21	SO Soil	P-5/S-10
LA71905-6	06/08/21	15:30	CS	06/09/21	SO Soil	P-5/S-12
LA71905-7	06/08/21	16:35	CS	06/09/21	SO Soil	P-6/S-10
LA71905-8	06/08/21	16:40	CS	06/09/21	SO Soil	P-6/S-12
LA71905-9	06/08/21	16:45	CS	06/09/21	SO Soil	P-6/S-13
LA71905-10	06/08/21	17:00	CS	06/09/21	SO Soil	TCLP
LA71905-10A	06/08/21	17:00	CS	06/09/21	SO Soil	TCLP
LA71905-11	06/08/21	00:00	CS	06/09/21	AQ Trip Blank Water	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: LA71905
Account: PPM Consultants
Project: Ouachita Candy-Monroe, LA
Collected: 06/08/21



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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LA71905-1 P-3/S-9

Arsenic	2.3	1.0			mg/kg	SW846 6010C
Barium	35.5	2.0			mg/kg	SW846 6010C
Chromium	4.6	1.0			mg/kg	SW846 6010C
Lead	4.3	1.0			mg/kg	SW846 6010C

LA71905-2 P-3/S-10

Arsenic	2.1	0.98			mg/kg	SW846 6010C
Barium	26.0	2.0			mg/kg	SW846 6010C
Chromium	4.1	0.98			mg/kg	SW846 6010C
Lead	3.7	0.98			mg/kg	SW846 6010C

LA71905-3 P-4/S-10

No hits reported in this sample.

LA71905-4 P-4/S-12

No hits reported in this sample.

LA71905-5 P-5/S-10

No hits reported in this sample.

LA71905-6 P-5/S-12

No hits reported in this sample.

LA71905-7 P-6/S-10

No hits reported in this sample.

LA71905-8 P-6/S-12

No hits reported in this sample.

LA71905-9 P-6/S-13

No hits reported in this sample.

LA71905-10 TCLP

No hits reported in this sample.

Summary of Hits

Job Number: LA71905
Account: PPM Consultants
Project: Ouachita Candy-Monroe, LA
Collected: 06/08/21

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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LA71905-10A TCLP

Corrosivity as pH ^a	6.0				su	SW846 9045C/9045D
Ignitability (Flashpoint) ^b	> 200				Deg. F	SW846 1010/1010A

(a) 21.5 Analysis performed at SGS Houston, TX.

(b) The sample matrix prevented stirring as prescribed by the reference method. EPA Method 1010 is a non-accredited test method for solid chemicals. Analysis performed at SGS Houston, TX.

Sample Results

Report of Analysis

Report of Analysis

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3

Client Sample ID: P-3/S-9	Date Sampled: 06/08/21
Lab Sample ID: LA71905-1	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8270D SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0066702.D	1	06/15/21 19:58	AA	06/15/21 08:00	OP18780	EC2605
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.010	mg/kg	
120-12-7	Anthracene	ND	0.010	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.010	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.010	mg/kg	
218-01-9	Chrysene	ND	0.010	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.010	mg/kg	
86-73-7	Fluorene	ND	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.010	mg/kg	
85-01-8	Phenanthrene	ND	0.010	mg/kg	
129-00-0	Pyrene	ND	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	40%		24-123%
321-60-8	2-Fluorobiphenyl	39%		32-112%
1718-51-0	Terphenyl-d14	44%		41-115%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

31
3

Client Sample ID: P-3/S-9	Date Sampled: 06/08/21
Lab Sample ID: LA71905-1	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399026.D	1	06/11/21 15:58	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	86%		63-139%	
540-36-3	1,4-Difluorobenzene	100%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-3/S-9		
Lab Sample ID: LA71905-1		Date Sampled: 06/08/21
Matrix: SO - Soil		Date Received: 06/09/21
Method: SW846 8021B SW846 5035		Percent Solids: n/a ^a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304202.D	1	06/12/21 05:21	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.046	mg/kg	
108-88-3	Toluene	ND	0.046	mg/kg	
100-41-4	Ethylbenzene	ND	0.046	mg/kg	
1330-20-7	Xylenes (total)	ND	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		74-120%
460-00-4	4-Bromofluorobenzene	86%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

31
3

Client Sample ID: P-3/S-9	Date Sampled: 06/08/21
Lab Sample ID: LA71905-1	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG008836.D	1	06/17/21 13:58	JE	06/16/21 10:40	OP18795	GLG1110
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	
	TPH-ORO (C28-C35)	ND	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	50%		31-127%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-3/S-9	Date Sampled: 06/08/21
Lab Sample ID: LA71905-1	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Project: Ouachita Candy-Monroe, LA	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	2.3	1.0	mg/kg	1	06/11/21	06/11/21 RD	SW846 6010C ²	SW846 3050B ⁴
Barium	35.5	2.0	mg/kg	1	06/11/21	06/11/21 RD	SW846 6010C ²	SW846 3050B ⁴
Cadmium	< 0.50	0.50	mg/kg	1	06/11/21	06/11/21 RD	SW846 6010C ²	SW846 3050B ⁴
Chromium	4.6	1.0	mg/kg	1	06/11/21	06/11/21 RD	SW846 6010C ²	SW846 3050B ⁴
Lead	4.3	1.0	mg/kg	1	06/11/21	06/11/21 RD	SW846 6010C ²	SW846 3050B ⁴
Mercury	< 0.074	0.074	mg/kg	1	06/10/21	06/10/21 SA	SW846 7471B ¹	SW846 7471B ³
Selenium	< 1.0	1.0	mg/kg	1	06/11/21	06/11/21 RD	SW846 6010C ²	SW846 3050B ⁴
Silver	< 1.0	1.0	mg/kg	1	06/11/21	06/11/21 RD	SW846 6010C ²	SW846 3050B ⁴

- (1) Instrument QC Batch: MA21675
- (2) Instrument QC Batch: MA21686
- (3) Prep QC Batch: MP21445
- (4) Prep QC Batch: MP21451

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: P-3/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-2	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8270D SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0066703.D	1	06/15/21 20:20	AA	06/15/21 08:00	OP18780	EC2605
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.010	mg/kg	
120-12-7	Anthracene	ND	0.010	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.010	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.010	mg/kg	
218-01-9	Chrysene	ND	0.010	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.010	mg/kg	
86-73-7	Fluorene	ND	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.010	mg/kg	
85-01-8	Phenanthrene	ND	0.010	mg/kg	
129-00-0	Pyrene	ND	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	56%		24-123%
321-60-8	2-Fluorobiphenyl	53%		32-112%
1718-51-0	Terphenyl-d14	61%		41-115%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: P-3/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-2	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399034.D	1	06/11/21 17:28	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	89%		63-139%	
540-36-3	1,4-Difluorobenzene	103%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: P-3/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-2	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304203.D	1	06/12/21 05:50	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.050	mg/kg	
108-88-3	Toluene	ND	0.050	mg/kg	
100-41-4	Ethylbenzene	ND	0.050	mg/kg	
1330-20-7	Xylenes (total)	ND	0.15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		74-120%
460-00-4	4-Bromofluorobenzene	90%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: P-3/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-2	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG008837.D	1	06/17/21 14:20	JE	06/16/21 10:40	OP18795	GLG1110
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	
	TPH-ORO (C28-C35)	ND	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	60%		31-127%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-3/S-10 Lab Sample ID: LA71905-2 Matrix: SO - Soil Project: Ouachita Candy-Monroe, LA	Date Sampled: 06/08/21 Date Received: 06/09/21 Percent Solids: n/a ^a
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	2.1	0.98	mg/kg	1	06/11/21	06/12/21 RD	SW846 6010C ²	SW846 3050B ⁴
Barium	26.0	2.0	mg/kg	1	06/11/21	06/12/21 RD	SW846 6010C ²	SW846 3050B ⁴
Cadmium	< 0.49	0.49	mg/kg	1	06/11/21	06/12/21 RD	SW846 6010C ²	SW846 3050B ⁴
Chromium	4.1	0.98	mg/kg	1	06/11/21	06/12/21 RD	SW846 6010C ²	SW846 3050B ⁴
Lead	3.7	0.98	mg/kg	1	06/11/21	06/12/21 RD	SW846 6010C ²	SW846 3050B ⁴
Mercury	< 0.069	0.069	mg/kg	1	06/10/21	06/10/21 SA	SW846 7471B ¹	SW846 7471B ³
Selenium	< 0.98	0.98	mg/kg	1	06/11/21	06/12/21 RD	SW846 6010C ²	SW846 3050B ⁴
Silver	< 0.98	0.98	mg/kg	1	06/11/21	06/12/21 RD	SW846 6010C ²	SW846 3050B ⁴

- (1) Instrument QC Batch: MA21675
- (2) Instrument QC Batch: MA21686
- (3) Prep QC Batch: MP21445
- (4) Prep QC Batch: MP21451

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

RL = Reporting Limit

Report of Analysis

Client Sample ID: P-4/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-3	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399036.D	1	06/11/21 17:50	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	87%		63-139%	
540-36-3	1,4-Difluorobenzene	102%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-4/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-3	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304204.D	1	06/12/21 06:20	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.049	mg/kg	
108-88-3	Toluene	ND	0.049	mg/kg	
100-41-4	Ethylbenzene	ND	0.049	mg/kg	
1330-20-7	Xylenes (total)	ND	0.15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		74-120%
460-00-4	4-Bromofluorobenzene	86%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

33

Client Sample ID: P-4/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-3	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG008838.D	1	06/17/21 14:41	JE	06/16/21 10:40	OP18796	GLG1110
Run #2							

	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	52%		31-127%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-4/S-12	Date Sampled: 06/08/21
Lab Sample ID: LA71905-4	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399038.D	1	06/11/21 18:12	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	86%		63-139%	
540-36-3	1,4-Difluorobenzene	103%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-4/S-12	Date Sampled: 06/08/21
Lab Sample ID: LA71905-4	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304210.D	1	06/12/21 09:12	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.049	mg/kg	
108-88-3	Toluene	ND	0.049	mg/kg	
100-41-4	Ethylbenzene	ND	0.049	mg/kg	
1330-20-7	Xylenes (total)	ND	0.15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		74-120%
460-00-4	4-Bromofluorobenzene	93%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-4/S-12	Date Sampled: 06/08/21
Lab Sample ID: LA71905-4	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG008842.D	1	06/17/21 16:08	JE	06/16/21 10:40	OP18796	GLG1110
Run #2							

	Initial Weight	Final Volume
Run #1	20.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	56%		31-127%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: P-5/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-5	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399040.D	1	06/11/21 18:34	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	87%		63-139%	
540-36-3	1,4-Difluorobenzene	103%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-5/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-5	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304211.D	1	06/12/21 09:40	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.045	mg/kg	
108-88-3	Toluene	ND	0.045	mg/kg	
100-41-4	Ethylbenzene	ND	0.045	mg/kg	
1330-20-7	Xylenes (total)	ND	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		74-120%
460-00-4	4-Bromofluorobenzene	85%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

Client Sample ID: P-5/S-12	Date Sampled: 06/08/21
Lab Sample ID: LA71905-6	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399042.D	1	06/11/21 18:57	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	87%		63-139%	
540-36-3	1,4-Difluorobenzene	103%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-5/S-12		
Lab Sample ID: LA71905-6		Date Sampled: 06/08/21
Matrix: SO - Soil		Date Received: 06/09/21
Method: SW846 8021B SW846 5035		Percent Solids: n/a ^a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304212.D	1	06/12/21 10:08	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.50 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.045	mg/kg	
108-88-3	Toluene	ND	0.045	mg/kg	
100-41-4	Ethylbenzene	ND	0.045	mg/kg	
1330-20-7	Xylenes (total)	ND	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		74-120%
460-00-4	4-Bromofluorobenzene	84%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-6/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-7	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399044.D	1	06/11/21 19:19	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.10 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	86%		63-139%	
540-36-3	1,4-Difluorobenzene	102%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-6/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-7	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304213.D	1	06/12/21 10:37	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.046	mg/kg	
108-88-3	Toluene	ND	0.046	mg/kg	
100-41-4	Ethylbenzene	ND	0.046	mg/kg	
1330-20-7	Xylenes (total)	ND	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		74-120%
460-00-4	4-Bromofluorobenzene	84%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

37
3

Client Sample ID: P-6/S-10	Date Sampled: 06/08/21
Lab Sample ID: LA71905-7	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG008843.D	1	06/17/21 16:30	JE	06/16/21 10:40	OP18796	GLG1110
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	57%		31-127%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-6/S-12	Date Sampled: 06/08/21
Lab Sample ID: LA71905-8	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399046.D	1	06/11/21 19:41	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.6	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	87%		63-139%	
540-36-3	1,4-Difluorobenzene	104%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: P-6/S-12	Date Sampled: 06/08/21
Lab Sample ID: LA71905-8	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304214.D	1	06/12/21 11:05	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.40 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.046	mg/kg	
108-88-3	Toluene	ND	0.046	mg/kg	
100-41-4	Ethylbenzene	ND	0.046	mg/kg	
1330-20-7	Xylenes (total)	ND	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		74-120%
460-00-4	4-Bromofluorobenzene	86%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-6/S-12	Date Sampled: 06/08/21
Lab Sample ID: LA71905-8	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG008844.D	1	06/17/21 16:51	JE	06/16/21 10:40	OP18796	GLG1110
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	5.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	61%		31-127%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.9
3

Client Sample ID: P-6/S-13	Date Sampled: 06/08/21
Lab Sample ID: LA71905-9	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399054.D	1	06/11/21 21:12	NN	06/10/21 09:10	n/a	GLA3358
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.60 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	89%		63-139%	
540-36-3	1,4-Difluorobenzene	100%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-6/S-13	Date Sampled: 06/08/21
Lab Sample ID: LA71905-9	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304215.D	1	06/12/21 11:34	NN	06/10/21 09:10	n/a	GLP3036
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.60 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.045	mg/kg	
108-88-3	Toluene	ND	0.045	mg/kg	
100-41-4	Ethylbenzene	ND	0.045	mg/kg	
1330-20-7	Xylenes (total)	ND	0.13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		74-120%
460-00-4	4-Bromofluorobenzene	83%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-6/S-13	Date Sampled: 06/08/21
Lab Sample ID: LA71905-9	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG008845.D	1	06/17/21 17:12	JE	06/16/21 10:40	OP18796	GLG1110
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	56%		31-127%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TCLP		Date Sampled: 06/08/21
Lab Sample ID: LA71905-10		Date Received: 06/09/21
Matrix: SO - Soil		Percent Solids: n/a
Method: SW846 8260B SW846 1311		
Project: Ouachita Candy-Monroe, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	IJ0096736.D	100	06/14/21 21:39	CP	06/13/21 09:35	OP18768	V1J3316
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCLP List

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
71-43-2	Benzene	ND	D018	0.50	0.10	mg/l	
56-23-5	Carbon Tetrachloride	ND	D019	0.50	0.10	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.10	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.10	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.10	mg/l	
75-35-4	1,1-Dichloroethylene	ND	D029	0.70	0.10	mg/l	
78-93-3	Methyl Ethyl Ketone	ND	D035	200	1.3	mg/l	
127-18-4	Tetrachloroethylene	ND	D039	0.70	0.10	mg/l	
79-01-6	Trichloroethylene	ND	D040	0.50	0.10	mg/l	
75-01-4	Vinyl Chloride	ND	D043	0.20	0.10	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	91%		71-122%
2037-26-5	Toluene-D8	102%		85-109%
460-00-4	4-Bromofluorobenzene	106%		79-117%

ND = Not detected

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TCLP		
Lab Sample ID: LA71905-10		Date Sampled: 06/08/21
Matrix: SO - Soil		Date Received: 06/09/21
Method: SW846 8270D SW846 3510C		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F0074696.D	1	06/16/21 17:41	BH	06/16/21 09:40	OP18791	EF2592
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP List

TCLP Leachate method SW846 1311

CAS No.	Compound	Result	HW#	MCL	RL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.050	mg/l	
	3&4-Methylphenol	ND	D024	200	0.050	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.010	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.050	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.050	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.010	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.0050	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.010	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.050	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		23-85%
4165-62-2	Phenol-d5	28%		10-69%
118-79-6	2,4,6-Tribromophenol	96%		48-138%
4165-60-0	Nitrobenzene-d5	82%		51-128%
321-60-8	2-Fluorobiphenyl	73%		55-122%
1718-51-0	Terphenyl-d14	84%		43-138%

ND = Not detected

J = Indicates an estimated value

MCL = Maximum Contamination Level (40 CFR 261 7/1/11) B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TCLP	Date Sampled: 06/08/21
Lab Sample ID: LA71905-10	Date Received: 06/09/21
Matrix: SO - Soil	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	06/14/21	06/14/21 RD	SW846 6010C ²	SW846 3010A ⁴
Barium	< 5.0	D005	100	5.0	mg/l	1	06/14/21	06/14/21 RD	SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 0.50	D006	1.0	0.50	mg/l	1	06/14/21	06/14/21 RD	SW846 6010C ²	SW846 3010A ⁴
Chromium	< 0.50	D007	5.0	0.50	mg/l	1	06/14/21	06/14/21 RD	SW846 6010C ²	SW846 3010A ⁴
Lead	< 0.50	D008	5.0	0.50	mg/l	1	06/14/21	06/14/21 RD	SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.020	D009	0.20	0.020	mg/l	1	06/14/21	06/14/21 SA	SW846 7470A ¹	SW846 7470A ³
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	06/14/21	06/14/21 RD	SW846 6010C ²	SW846 3010A ⁴
Silver	< 0.50	D011	5.0	0.50	mg/l	1	06/14/21	06/14/21 RD	SW846 6010C ²	SW846 3010A ⁴

- (1) Instrument QC Batch: MA21695
- (2) Instrument QC Batch: MA21700
- (3) Prep QC Batch: MP21462
- (4) Prep QC Batch: MP21463

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 7/1/11)

Report of Analysis

Client Sample ID: TCLP		Date Sampled: 06/08/21
Lab Sample ID: LA71905-10A		Date Received: 06/09/21
Matrix: SO - Soil		Percent Solids: n/a ^a
Project: Ouachita Candy-Monroe, LA		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH ^b	6.0		su	1	06/14/21 16:30	ATX	SW846 9045C/9045D
Cyanide Reactivity ^c	< 0.40	0.40	mg/kg	1	06/25/21 16:03	ATX	SW846 CHAP7
Ignitability (Flashpoint) ^d	> 200		Deg. F	1	06/28/21 12:00	ATX	SW846 1010/1010A
Sulfide Reactivity ^c	< 20	20	mg/kg	1	06/25/21 17:00	ATX	SW846 CHAP7

- (a) All results with the exception of 29B parameters are reported on a wet weight basis.
- (b) 21.5 Analysis performed at SGS Houston, TX.
- (c) Analysis performed at SGS Houston, TX.
- (d) The sample matrix prevented stirring as prescribed by the reference method. EPA Method 1010 is a non-accredited test method for solid chemicals. Analysis performed at SGS Houston, TX.

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

SGS North America Inc. - Scott
500 Ambassador Caffery Parkway, Scott, LA 70583
TEL: 337.237.4775 FAX: 337.237.7588
www.sgs.com/usausa

Lab Order Control # LA 71905
SGS Job #

Client Reporting Information, Project Information, Requested Analysis, Matrix Codes
Company Name: PPM Consultants
Project Name: Ouachita Candy
Address: 1660 Lamy Ln, Monroe, LA
Project Contact: Shawn Ivey
Phone: 318-323-7270
Project Manager: Shawn Ivey

Table with columns: Sample #, Field ID / Point of Collection, Date, Time, Sampled By, Matrix, # of bottles, etc. Includes handwritten entries for samples 1 through 11.

Standard 10 Business Days, Commercial "A", Commercial "B", Full T1, REDT1, Commercial "C"
Approved By: (Signature)
Date: 6-8-04

Relinquished by: (Signature)
Date: 6-9-04
Received By: (Signature)
Date: 6-9-04

Temp 1.4 DU 441

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Leachate Blank Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18768-LB	1J0096714.D	100	06/14/21	CP	06/13/21	OP18768	V1J3316

The QC reported here applies to the following samples:

Method: SW846 8260B

LA71905-10

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	100	ug/l	
56-23-5	Carbon Tetrachloride	ND	100	ug/l	
108-90-7	Chlorobenzene	ND	100	ug/l	
67-66-3	Chloroform	ND	100	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	ug/l	
78-93-3	Methyl Ethyl Ketone	ND	1300	ug/l	
127-18-4	Tetrachloroethylene	ND	100	ug/l	
79-01-6	Trichloroethylene	ND	100	ug/l	
75-01-4	Vinyl Chloride	ND	100	ug/l	

CAS No.	Surrogate Recoveries	Limits	
17060-07-0	1,2-Dichloroethane-D4	101%	71-122%
2037-26-5	Toluene-D8	101%	85-109%
460-00-4	4-Bromofluorobenzene	106%	79-117%

5.1.1
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1J3316-BS2	1J0096710.D	100	06/14/21	CP	n/a	n/a	V1J3316
V1J3316-BSD2	1J0096712.D	100	06/14/21	CP	n/a	n/a	V1J3316

The QC reported here applies to the following samples:

Method: SW846 8260B

LA71905-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2000	2120	106	2050	103	3	78-116/30
56-23-5	Carbon Tetrachloride	2000	2150	108	1900	95	12	74-116/30
108-90-7	Chlorobenzene	2000	2050	103	1990	100	3	87-111/30
67-66-3	Chloroform	2000	2060	103	1960	98	5	79-114/30
107-06-2	1,2-Dichloroethane	2000	2120	106	2040	102	4	73-123/30
75-35-4	1,1-Dichloroethylene	2000	2380	119	2200	110	8	71-126/30
78-93-3	Methyl Ethyl Ketone	5000	4650	93	4440	89	5	69-123/30
127-18-4	Tetrachloroethylene	2000	2190	110	2090	105	5	81-116/30
79-01-6	Trichloroethylene	2000	2180	109	2030	102	7	53-149/30
75-01-4	Vinyl Chloride	2000	1700	85	1580	79	7	68-125/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
17060-07-0	1,2-Dichloroethane-D4	95%	93%	71-122%
2037-26-5	Toluene-D8	101%	103%	85-109%
460-00-4	4-Bromofluorobenzene	105%	106%	79-117%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA71905-10MS	1J0096746.D	100	06/14/21	CP	n/a	n/a	V1J3316
LA71905-10MSD	1J0096748.D	100	06/15/21	CP	n/a	n/a	V1J3316
LA71905-10	1J0096736.D	100	06/14/21	CP	06/13/21	OP18768	V1J3316

The QC reported here applies to the following samples:

Method: SW846 8260B

LA71905-10

CAS No.	Compound	LA71905-10 Spike		MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
		ug/l	Q							
71-43-2	Benzene	ND	2000	2310	116	2000	2370	119	3	31-161/15
56-23-5	Carbon Tetrachloride	ND	2000	2210	111	2000	2280	114	3	53-133/36
108-90-7	Chlorobenzene	ND	2000	2360	118	2000	2360	118	0	74-122/34
67-66-3	Chloroform	ND	2000	2170	109	2000	2230	112	3	65-130/24
107-06-2	1,2-Dichloroethane	ND	2000	2280	114	2000	2330	117	2	51-141/39
75-35-4	1,1-Dichloroethylene	ND	2000	2490	125	2000	2560	128	3	48-139/37
78-93-3	Methyl Ethyl Ketone	ND	5000	4520	90	5000	4600	92	2	54-142/39
127-18-4	Tetrachloroethylene	ND	2000	2360	118	2000	2430	122	3	58-135/37
79-01-6	Trichloroethylene	ND	2000	2250	113	2000	2420	121	7	57-131/36
75-01-4	Vinyl Chloride	ND	2000	1760	88	2000	1890	95	7	22-155/49

CAS No.	Surrogate Recoveries	MS	MSD	LA71905-10 Limits	
17060-07-0	1,2-Dichloroethane-D4	88%	87%	91%	71-122%
2037-26-5	Toluene-D8	103%	101%	102%	85-109%
460-00-4	4-Bromofluorobenzene	103%	103%	106%	79-117%

* = Outside of Control Limits.

5.3.1
5

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18780-MB	C0066696.D	1	06/15/21	AA	06/15/21	OP18780	EC2605

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71905-1, LA71905-2

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	10	ug/kg	
208-96-8	Acenaphthylene	ND	10	ug/kg	
120-12-7	Anthracene	ND	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	10	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	10	ug/kg	
218-01-9	Chrysene	ND	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	10	ug/kg	
206-44-0	Fluoranthene	ND	10	ug/kg	
86-73-7	Fluorene	ND	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	10	ug/kg	
91-20-3	Naphthalene	ND	10	ug/kg	
85-01-8	Phenanthrene	ND	10	ug/kg	
129-00-0	Pyrene	ND	10	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	69% 25-109%
4165-62-2	Phenol-d5	68% 30-110%
118-79-6	2,4,6-Tribromophenol	79% 27-127%
4165-60-0	Nitrobenzene-d5	73% 24-123%
321-60-8	2-Fluorobiphenyl	62% 32-112%
1718-51-0	Terphenyl-d14	73% 41-115%

Method Blank Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18791-MB	F0074693.D	1	06/16/21	BH	06/16/21	OP18791	EF2592

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71905-10

CAS No.	Compound	Result	RL	Units	Q
95-48-7	2-Methylphenol	ND	50	ug/l	
	3&4-Methylphenol	ND	50	ug/l	
87-86-5	Pentachlorophenol	ND	100	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	50	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	50	ug/l	
118-74-1	Hexachlorobenzene	ND	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	50	ug/l	
67-72-1	Hexachloroethane	ND	50	ug/l	
98-95-3	Nitrobenzene	ND	50	ug/l	
110-86-1	Pyridine	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Limits	
367-12-4	2-Fluorophenol	51%	23-85%
4165-62-2	Phenol-d5	33%	10-69%
118-79-6	2,4,6-Tribromophenol	94%	48-138%
4165-60-0	Nitrobenzene-d5	84%	51-128%
321-60-8	2-Fluorobiphenyl	76%	55-122%
1718-51-0	Terphenyl-d14	83%	43-138%

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18780-BS	C0066697.D	1	06/15/21	AA	06/15/21	OP18780	EC2605
OP18780-BSD	C0066698.D	1	06/15/21	AA	06/15/21	OP18780	EC2605

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71905-1, LA71905-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	2490	2450	98	2310	92	6	68-102/15
208-96-8	Acenaphthylene	2490	2530	102	2380	95	6	69-106/15
120-12-7	Anthracene	2490	2590	104	2530	101	2	70-105/16
56-55-3	Benzo(a)anthracene	2490	2590	104* a	2630	105* a	2	66-102/16
50-32-8	Benzo(a)pyrene	2490	2910	117* a	2890	116* a	1	69-110/16
205-99-2	Benzo(b)fluoranthene	2490	2590	104	2700	108	4	66-109/18
207-08-9	Benzo(k)fluoranthene	2490	2730	110	2560	102	6	68-110/17
218-01-9	Chrysene	2490	2500	101	2510	100	0	66-104/16
53-70-3	Dibenzo(a,h)anthracene	2490	2720	109* a	2700	108	1	68-108/16
206-44-0	Fluoranthene	2490	2740	110* a	2760	110* a	1	70-108/17
86-73-7	Fluorene	2490	2630	106* a	2460	98	7	69-104/16
193-39-5	Indeno(1,2,3-cd)pyrene	2490	2730	110* a	2690	108	1	68-108/16
91-57-6	2-Methylnaphthalene	2490	2590	104* a	2520	101	3	70-102/14
91-20-3	Naphthalene	2490	2520	101* a	2450	98	3	68-100/14
85-01-8	Phenanthrene	2490	2410	97	2380	95	1	68-101/16
129-00-0	Pyrene	2490	2480	100	2490	100	0	67-107/16

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	100%	97%	25-109%
4165-62-2	Phenol-d5	102%	98%	30-110%
118-79-6	2,4,6-Tribromophenol	131%* b	128%* b	27-127%
4165-60-0	Nitrobenzene-d5	116%	108%	24-123%
321-60-8	2-Fluorobiphenyl	102%	93%	32-112%
1718-51-0	Terphenyl-d14	105%	102%	41-115%

(a) Outside laboratory control limits but within reasonable method acceptance limits.

(b) Outside control limits biased high.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18791-BS	F0074694.D	1	06/16/21	BH	06/16/21	OP18791	EF2592
OP18791-BSD	F0074695.D	1	06/16/21	BH	06/16/21	OP18791	EF2592

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71905-10

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
95-48-7	2-Methylphenol	500	332	66	326	65	2	54-97/18
	3&4-Methylphenol	500	303	61	299	60	1	47-92/19
87-86-5	Pentachlorophenol	500	457	91	448	90	2	52-120/29
95-95-4	2,4,5-Trichlorophenol	500	457	91	449	90	2	67-119/21
88-06-2	2,4,6-Trichlorophenol	500	456	91	441	88	3	67-120/21
106-46-7	1,4-Dichlorobenzene	500	399	80	389	78	3	52-109/28
121-14-2	2,4-Dinitrotoluene	500	516	103	509	102	1	73-122/21
118-74-1	Hexachlorobenzene	500	473	95	458	92	3	67-117/23
87-68-3	Hexachlorobutadiene	500	412	82	405	81	2	42-120/35
67-72-1	Hexachloroethane	500	381	76	364	73	5	44-115/32
98-95-3	Nitrobenzene	500	462	92	443	89	4	69-116/21
110-86-1	Pyridine	500	88.1	18	87.1	17	1	5-78/50

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	47%	45%	23-85%
4165-62-2	Phenol-d5	29%	30%	10-69%
118-79-6	2,4,6-Tribromophenol	101%	99%	48-138%
4165-60-0	Nitrobenzene-d5	93%	88%	51-128%
321-60-8	2-Fluorobiphenyl	82%	77%	55-122%
1718-51-0	Terphenyl-d14	84%	83%	43-138%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18780-MS	C0066715.D	1	06/16/21	AA	06/15/21	OP18780	EC2605
LA71967-2	C0066714.D	1	06/16/21	AA	06/15/21	OP18780	EC2605

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71905-1, LA71905-2

CAS No.	Compound	LA71967-2 ug/kg	Spike Q	MS ug/kg	MS %	Limits
83-32-9	Acenaphthene	ND	2480	2030	82	41-115
208-96-8	Acenaphthylene	ND	2480	2110	85	47-113
120-12-7	Anthracene	ND	2480	2230	90	48-111
56-55-3	Benzo(a)anthracene	ND	2480	2270	92	47-106
50-32-8	Benzo(a)pyrene	ND	2480	2590	105	49-115
205-99-2	Benzo(b)fluoranthene	ND	2480	2400	97	45-114
207-08-9	Benzo(k)fluoranthene	ND	2480	2310	93	47-114
218-01-9	Chrysene	ND	2480	2190	88	47-109
53-70-3	Dibenzo(a,h)anthracene	ND	2480	2400	97	48-112
206-44-0	Fluoranthene	ND	2480	2400	97	47-118
86-73-7	Fluorene	ND	2480	2210	89	37-121
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2480	2370	96	47-113
91-57-6	2-Methylnaphthalene	ND	2480	2220	90	44-117
91-20-3	Naphthalene	ND	2480	2020	82	34-125
85-01-8	Phenanthrene	ND	2480	2100	85	43-111
129-00-0	Pyrene	ND	2480	2180	88	42-120

CAS No.	Surrogate Recoveries	MS	LA71967-2	Limits
367-12-4	2-Fluorophenol	79%	77%	25-109%
4165-62-2	Phenol-d5	83%	83%	30-110%
118-79-6	2,4,6-Tribromophenol	119%	128%* a	27-127%
4165-60-0	Nitrobenzene-d5	92%	87%	24-123%
321-60-8	2-Fluorobiphenyl	84%	85%	32-112%
1718-51-0	Terphenyl-d14	93%	103%	41-115%

(a) Surrogate marginally exceeds high limit.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18791-MS	F0074697.D	1	06/16/21	BH	06/16/21	OP18791	EF2592
LA71905-10	F0074696.D	1	06/16/21	BH	06/16/21	OP18791	EF2592

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71905-10

CAS No.	Compound	LA71905-10 ug/l	Spike Q	ug/l	MS ug/l	MS %	Limits
95-48-7	2-Methylphenol	ND		500	344	69	54-97
	3&4-Methylphenol	ND		500	313	63	47-92
87-86-5	Pentachlorophenol	ND		500	472	94	52-120
95-95-4	2,4,5-Trichlorophenol	ND		500	463	93	67-119
88-06-2	2,4,6-Trichlorophenol	ND		500	464	93	67-120
106-46-7	1,4-Dichlorobenzene	ND		500	395	79	52-109
121-14-2	2,4-Dinitrotoluene	ND		500	548	110	73-122
118-74-1	Hexachlorobenzene	ND		500	486	97	67-117
87-68-3	Hexachlorobutadiene	ND		500	398	80	42-120
67-72-1	Hexachloroethane	ND		500	363	73	44-115
98-95-3	Nitrobenzene	ND		500	464	93	69-116
110-86-1	Pyridine	ND		500	96.4	19	5-78

CAS No.	Surrogate Recoveries	MS	LA71905-10	Limits
367-12-4	2-Fluorophenol	46%	44%	23-85%
4165-62-2	Phenol-d5	30%	28%	10-69%
118-79-6	2,4,6-Tribromophenol	103%	96%	48-138%
4165-60-0	Nitrobenzene-d5	91%	82%	51-128%
321-60-8	2-Fluorobiphenyl	80%	73%	55-122%
1718-51-0	Terphenyl-d14	87%	84%	43-138%

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3358-MB1	LA399020.D	1	06/11/21	NN	n/a	n/a	GLA3358

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-1, LA71905-2, LA71905-3, LA71905-4, LA71905-5, LA71905-6, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	88%	63-139%
540-36-3	1,4-Difluorobenzene	105%	52-140%

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Method Blank Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3036-MB1	LP304201.D	1	06/12/21	NN	n/a	n/a	GLP3036

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71905-1, LA71905-2, LA71905-3, LA71905-4, LA71905-5, LA71905-6, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	50	ug/kg	
100-41-4	Ethylbenzene	ND	50	ug/kg	
108-88-3	Toluene	ND	50	ug/kg	
1330-20-7	Xylenes (total)	ND	150	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
540-36-3	1,4-Difluorobenzene	104%	74-120%
460-00-4	4-Bromofluorobenzene	84%	56-162%

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3358-BS2	LA399016.D	1	06/11/21	NN	n/a	n/a	GLA3358
GLA3358-BSD2	LA399018.D	1	06/11/21	NN	n/a	n/a	GLA3358

The QC reported here applies to the following samples: **Method:** SW846 8015C

LA71905-1, LA71905-2, LA71905-3, LA71905-4, LA71905-5, LA71905-6, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	50	47.8	96	47.0	94	2	79-121/6

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	93%	91%	63-139%
540-36-3	1,4-Difluorobenzene	105%	104%	52-140%

* = Outside of Control Limits.

7.2.1
7

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3036-BS1	LP304199.D	1	06/12/21	NN	n/a	n/a	GLP3036
GLP3036-BSD1	LP304200.D	1	06/12/21	NN	n/a	n/a	GLP3036

The QC reported here applies to the following samples: **Method:** SW846 8021B

LA71905-1, LA71905-2, LA71905-3, LA71905-4, LA71905-5, LA71905-6, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2500	2800	112	2840	114	1	86-117/12
100-41-4	Ethylbenzene	2500	3020	121* a	2920	117	3	84-118/10
108-88-3	Toluene	2500	3010	120* a	2950	118* a	2	87-116/10
1330-20-7	Xylenes (total)	7500	9110	121* a	8790	117	4	83-120/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
540-36-3	1,4-Difluorobenzene	100%	99%	74-120%
460-00-4	4-Bromofluorobenzene	89%	80%	56-162%

(a) Outside control limits biased high. Analyte not detected in associated samples.

* = Outside of Control Limits.

7.2.2
7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA71905-1MS	LA399080.D	1	06/12/21	NN	n/a	n/a	GLA3358
LA71905-1MSD	LA399082.D	1	06/12/21	NN	n/a	n/a	GLA3358
LA71905-1	LA399026.D	1	06/11/21	NN	n/a	n/a	GLA3358

The QC reported here applies to the following samples: Method: SW846 8015C

LA71905-1, LA71905-2, LA71905-3, LA71905-4, LA71905-5, LA71905-6, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	LA71905-1 mg/kg	Spike Q	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	463	407	88	463	408	88	0	79-121/6

CAS No.	Surrogate Recoveries	MS	MSD	LA71905-1	Limits
460-00-4	4-Bromofluorobenzene	96%	95%	86%	63-139%
540-36-3	1,4-Difluorobenzene	103%	101%	100%	52-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA71905-1MS	LP304205.D	1	06/12/21	NN	n/a	n/a	GLP3036
LA71905-1MSD	LP304206.D	1	06/12/21	NN	n/a	n/a	GLP3036
LA71905-1	LP304202.D	1	06/12/21	NN	n/a	n/a	GLP3036

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71905-1, LA71905-2, LA71905-3, LA71905-4, LA71905-5, LA71905-6, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	LA71905-1 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	23100	26100	113	23100	25500	110	2	53-140/18
100-41-4	Ethylbenzene	ND	23100	26700	115	23100	26600	115	0	37-162/14
108-88-3	Toluene	ND	23100	26800	116	23100	26600	115	1	54-147/13
1330-20-7	Xylenes (total)	ND	69400	81800	118	69400	81700	118	0	35-164/16

CAS No.	Surrogate Recoveries	MS	MSD	LA71905-1	Limits
540-36-3	1,4-Difluorobenzene	99%	101%	103%	74-120%
460-00-4	4-Bromofluorobenzene	93%	96%	86%	56-162%

* = Outside of Control Limits.

7.3.2
7

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18796-MB	LG008829.D	1	06/17/21	JE	06/16/21	OP18796	GLG1110

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-3, LA71905-4, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	67% 31-127%

Method Blank Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18795-MB	LG008829.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-1, LA71905-2

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	4.9	mg/kg	
	TPH-ORO (C28-C35)	ND	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	67% 31-127%

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18796-BS	LG008830.D	1	06/17/21	JE	06/16/21	OP18796	GLG1110
OP18796-BSD	LG008831.D	1	06/17/21	JE	06/16/21	OP18796	GLG1110

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-3, LA71905-4, LA71905-7, LA71905-8, LA71905-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	147	108	73	109	73	1	49-118/19

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	80%	79%	31-127%

8.2.1
8

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18795-BS1	LG008830.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110
OP18795-BSD1	LG008831.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-1, LA71905-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	147	108	73	109	73	1	49-118/19

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	80%	79%	31-127%

8.2.2
8

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18795-BS2	LG008832.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110
OP18795-BSD2	LG008833.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-1, LA71905-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-ORO (C28-C35)	59.1	61.3	104* a	59.2	100	3	52-102/16

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	70%	68%	31-127%

(a) Outside control limits but within reasonable method limits.

* = Outside of Control Limits.

8.2.3
8

Matrix Spike Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18795-MS1	LG008834.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110
LA71905-1	LG008836.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-1, LA71905-2

CAS No.	Compound	LA71905-1 mg/kg	Spike Q	MS mg/kg	MS %	Limits
	TPH-DRO (C10-C28)	1.51	150	84.5	55	23-150

CAS No.	Surrogate Recoveries	MS	LA71905-1	Limits
84-15-1	o-Terphenyl	59%	50%	31-127%

8.3.1

8

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: LA71905
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18795-MS2	LG008835.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110
LA71905-1	LG008836.D	1	06/17/21	JE	06/16/21	OP18795	GLG1110

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71905-1, LA71905-2

CAS No.	Compound	LA71905-1 mg/kg	Spike Q	MS mg/kg	MS %	Limits
	TPH-ORO (C28-C35)	ND	60	49.8	83	16-142

CAS No.	Surrogate Recoveries	MS	LA71905-1	Limits
84-15-1	o-Terphenyl	60%	50%	31-127%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71905
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21445
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 06/10/21

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.080	.0015	.0042	-0.00093	<0.080

Associated samples MP21445: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21445
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/10/21

Metal	DA34949-21 Original MS	SpikeLot HGSPIKE1 % Rec	QC Limits
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Mercury	0.0 0.62	0.603 102.8	75-125
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Associated samples MP21445: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21445
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/10/21

Metal	DA34949-21 Original MSD	SpikeLot HGSPIKE1	% Rec	MSD RPD	QC Limit
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Mercury	0.0	0.65	0.627	103.7	4.7	20
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Associated samples MP21445: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21445
 Matrix Type: SOLID

Methods: SW846 7471B
 Units: mg/kg

Prep Date: 06/10/21

Metal	LCS Result	Spikelot LCSHG15E % Rec	QC Limits
Mercury	26.7	27.2	98.2 72-128

Associated samples MP21445: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71905
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21445
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date: 06/10/21

Metal	DA34949-21	Original SDL 1:5	%DIF	QC Limits
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Mercury 0.00 0.00 NC 0-

Associated samples MP21445: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71905
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21451
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 06/11/21

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.9	2.3		
Antimony	0.60	.14	.31		
Arsenic	1.0	.16	.49	0.061	<1.0
Barium	2.0	.019	.21	-0.036	<2.0
Beryllium	0.40	.014	.06		
Boron	50	.13	.5		
Cadmium	0.50	.012	.04	-0.0050	<0.50
Calcium	10	.37	3.1		
Chromium	1.0	.04	.17	0.0070	<1.0
Cobalt	1.0	.019	.09		
Copper	1.0	.047	.47		
Iron	10	.73	1.9		
Lead	1.0	.11	.29	-0.049	<1.0
Lithium	1.0	.084	.53		
Magnesium	10	1.1	4.9		
Manganese	5.0	.014	.09		
Molybdenum	1.0	.016	.09		
Nickel	1.0	.034	.16		
Potassium	50	2.6	11		
Selenium	1.0	.17	.31	-0.13	<1.0
Silver	1.0	.05	.22	0.042	<1.0
Sodium	50	3.1	14		
Strontium	1.0	.007	.16		
Thallium	0.50	.072	.37		
Tin	5.0	.049	.16		
Titanium	1.0	.021	.14		
Vanadium	1.0	.025	.06		
Zinc	5.0	.014	.18		

Associated samples MP21451: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.1
9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21451
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/11/21

Metal	LA71905-1 Original MS		SpikeLot ICPSPIKE1% Rec		QC Limits
Aluminum					
Antimony					
Arsenic	2.3	102	100	99.7	75-125
Barium	35.5	142	100	106.5	75-125
Beryllium					
Boron					
Cadmium	0.10	103	100	102.9	75-125
Calcium					
Chromium	4.6	108	100	103.4	75-125
Cobalt					
Copper					
Iron					
Lead	4.3	107	100	102.7	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	0.19	100	100	99.8	75-125
Silver	0.063	104	100	103.9	75-125
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP21451: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

9.2.2
 9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21451
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/11/21

Metal	LA71905-1 Original MSD		SpikeLot ICPSPIKE1% Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	2.3	99.7	100	97.4	2.3	20
Barium	35.5	129	100	93.5	9.6	20
Beryllium						
Boron						
Cadmium	0.10	99.2	100	99.1	3.8	20
Calcium						
Chromium	4.6	102	100	97.4	5.7	20
Cobalt						
Copper						
Iron						
Lead	4.3	103	100	98.7	3.8	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	0.19	98.1	100	97.9	1.9	20
Silver	0.063	99.0	100	98.9	4.9	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP21451: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

9.2.2
 9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21451
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: mg/kg

Prep Date: 06/11/21

Metal	LCS Result	Spikelot LCSMET16	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	152	156	97.4	83-117
Barium	226	239	94.6	82-117
Beryllium				
Boron				
Cadmium	138	137	100.7	82-117
Calcium				
Chromium	138	154	89.6	82-118
Cobalt				
Copper				
Iron				
Lead	120	130	92.3	82-117
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	164	167	98.2	79-120
Silver	34.9	33.6	103.9	80-120
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP21451: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

9.2.3
 9

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21451
 Matrix Type: SOLID

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/11/21

Metal	LA71905-1 Original SDL 1:5		%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	23.2	27.7	19.5 (a)	0-10
Barium	355	371	4.5	0-10
Beryllium				
Boron				
Cadmium	1.03	1.18	14.6 (a)	0-10
Calcium				
Chromium	45.8	48.5	5.9	0-10
Cobalt				
Copper				
Iron				
Lead	43.3	42.5	1.9	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	1.88	0.00	100.0 (a)	0-10
Silver	0.630	0.00	100.0 (a)	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP21451: LA71905-1, LA71905-2

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

9.2.4

9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71905
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21462
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 06/14/21

Metal	RL	IDL	MDL	MB raw	final
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Mercury 0.020 .00037 .0017 -0.00054 <0.020

Associated samples MP21462: LA71905-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21462
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: mg/l

Prep Date: 06/14/21

Metal	TD69321-4 Original MS	SpikeLot HGSPIKE1	% Rec	QC Limits
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Mercury	0.0	0.14	0.15	93.3	75-125
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Associated samples MP21462: LA71905-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21462
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: mg/l

Prep Date: 06/14/21

Metal	TD69321-4 Original MSD	SpikeLot HGSPIKE1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.14	0.15	93.3	0.0 20

Associated samples MP21462: LA71905-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21462
 Matrix Type: LEACHATE

Methods: SW846 7470A
 Units: mg/l

Prep Date: 06/14/21

Metal	BSP Result	Spikelot HGSPIKE1	% Rec	QC Limits
-------	---------------	----------------------	-------	--------------

Mercury	0.14	0.15	93.3	80-120
---------	------	------	------	--------

Associated samples MP21462: LA71905-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71905
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21462
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/14/21

Metal	TD69321-4 Original	SDL 1:5	%DIF	QC Limits
-------	-----------------------	---------	------	--------------

Mercury 0.00 0.00 NC 0-

Associated samples MP21462: LA71905-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71905
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21463
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date: 06/14/21

Metal	RL	IDL	MDL	MB raw	final
Aluminum	0.50	.025	.23		
Antimony	0.50	.0082	.011		
Arsenic	0.50	.021	.03	0.0055	<0.50
Barium	5.0	.00065	.0035	-0.0013	<5.0
Beryllium	0.50	.00015	.0015		
Boron	0.50	.0025	.025		
Cadmium	0.50	.00085	.0025	-0.000050	<0.50
Calcium	0.50	.011	.36		
Chromium	0.50	.0016	.0055	0.0011	<0.50
Cobalt	0.50	.0012	.0045		
Copper	0.50	.0026	.013		
Iron	0.50	.0098	.24		
Lead	0.50	.0068	.018	-0.0049	<0.50
Lithium	0.50	.0046	.021		
Magnesium	0.50	.082	.4		
Manganese	0.50	.0002	.0055		
Molybdenum	0.50	.0012	.004		
Nickel	0.50	.0023	.005		
Potassium	2.5	.1	.59		
Selenium	0.50	.0074	.02	-0.0065	<0.50
Silver	0.50	.0029	.007	0.0014	<0.50
Sodium	2.5	.034	.68		
Strontium	0.50	.00025	.0025		
Thallium	0.50	.0082	.015		
Tin	0.50	.0035	.01		
Titanium	0.50	.0018	.0045		
Vanadium	0.50	.0012	.0025		
Zinc	0.50	.00085	.036		

Associated samples MP21463: LA71905-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.4.1
9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21463
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date: 06/14/21 06/14/21

Metal	TD69321-4 Original MS		SpikeLot ICPSPIKE1% Rec		QC Limits	TD69321-4 Original DUP		RPD	QC Limits
Aluminum									
Antimony	anr								
Arsenic	0.0	11.3	10.0	113.0	75-125	0.0	0.0	NC	0-20
Barium	0.38	10.7	10.0	103.2	75-125	0.38	0.38	0.0	0-20
Beryllium	anr								
Boron									
Cadmium	0.0	10.3	10.0	103.0	75-125	0.0	0.0	NC	0-20
Calcium									
Chromium	0.030	8.7	10.	86.7	75-125	0.030	0.028	6.9	0-20
Cobalt									
Copper	anr								
Iron									
Lead	0.0	10.2	10.0	102.0	75-125	0.0	0.0	NC	0-20
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	0.0	10.5	10.0	105.0	75-125	0.0	0.0	NC	0-20
Silver	0.0	10.7	10.0	107.0	75-125	0.0	0.0	NC	0-20
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP21463: LA71905-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

9.4.2
 9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21463
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: mg/l

Prep Date: 06/14/21

Metal	BSP Result	Spikelot ICP SPIKE1% Rec	QC Limits
Aluminum			
Antimony	anr		
Arsenic	11.4	10.0	114.0 80-120
Barium	10.5	10.0	105.0 80-120
Beryllium	anr		
Boron			
Cadmium	10.4	10.0	104.0 80-120
Calcium			
Chromium	9.7	10.	97.0 80-120
Cobalt			
Copper	anr		
Iron			
Lead	10.7	10.0	107.0 80-120
Lithium			
Magnesium			
Manganese			
Molybdenum			
Nickel	anr		
Potassium			
Selenium	10.5	10.0	105.0 80-120
Silver	11.1	10.0	111.0 80-120
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc	anr		

Associated samples MP21463: LA71905-10

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

9.4.3
 9

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71905
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21463
 Matrix Type: LEACHATE

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/14/21

Metal	TD69321-4 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	76.3	71.3	6.6	0-10
Beryllium	anr			
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	5.95	5.22	12.3 (a)	0-10
Cobalt				
Copper	anr			
Iron				
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP21463: LA71905-10

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

9.4.4
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Misc. Forms

Custody Documents and Other Forms

(SGS Houston, TX)

Includes the following where applicable:

- Chain of Custody

SGS Sample Receipt Summary

Job Number: LA71905 **Client:** SGS-LAF **Project:** OUACHITA CANDY- MONROE, LA
Date / Time Received: 6/11/2021 11:00:00 PM **Delv Method:** SGS-SJ **Airbill #'s:** _____
of Coolers: 1 **Therm ID:** IR-4; **Temp Adjustment Factor:** -0.2;

Cooler Temps (Initial/Adjusted): #1: (3.2/3): _____

Test Strip Lot #s: _____ **pH 1-12:** 10D2191 **pH 12+:** _____ **Other: (Specify)** _____

Cooler Information

	Y	or	N	N/A
1. Custody Seals Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
3. Temp criteria achieved:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
4. Cooler temp verification:				
3. Cooler media:	Ice (Bag)			

Trip Blank Information

	Y	or	N	N/A
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Type Of TB Received	W	or	S	N/A
	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

Misc. Information

Number of terracores: 0 Number of Lab Filtered Metals: 0
 Number of 5035 Field Kits: 0
 Residual Chlorine Test Strip Lot #: _____

Sample Information

	Y	or	N	N/A
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Condition of sample:				Intact
5. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
6. Dates/Times/IDs on COC match Sample Label	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
7. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
8. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
9. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
11. COC Present:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
12. Special Instructions (compositing/filtering) clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
13. Voa Soil Kits/Jars received past 48hrs?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
14. % Solids Jar received?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
15. Residual Chlorine Present?	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

LA71905: Chain of Custody

Page 2 of 3

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Sample Receipt Log

Job #: LA71905 _____
 Date / Time Received: 6/11/2021 11:00:00 PM _____
 Initials: ABIGAILS _____
Client: SGS-LAF _____

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	LA71905-1	8oz	1	2-44	N/P	Note #2 - Preservative check not applicable.	IR-4	3.2	-0.2	3

 10.1
10

LA71905: Chain of Custody
Page 3 of 3

General Chemistry

QC Data Summaries

(SGS Houston, TX)

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries



METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: LA71905
Account: ALLA - SGS Scott, LA
Project: PPMLAM: Ouachita Candy-Monroe, LA

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide Reactivity	GP61733/GN12986	0.40	0.0	mg/kg	10	1.3	12.6	2-33%
Sulfide Reactivity	GP61734/GN12988	20	0.0	mg/kg	1600	1100	69.0* (a)	13-28%

Associated Samples:

Batch GP61733: LA71905-10A

Batch GP61734: LA71905-10A

(*) Outside of QC limits

(a) Outside control limits biased high. Associated samples are ND.

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DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: LA71905
Account: ALLA - SGS Scott, LA
Project: PPMLAM: Ouachita Candy-Monroe, LA

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Corrosivity as pH	GN12814	TD69469-1	su	11.8	11.9	0.2	0-%
Cyanide Reactivity	GP61733/GN12986	LA71915-1Q	mg/kg	0.0	0.0	0.0	0-10%
Ignitability (Flashpoint)	GN13024	TD69736-1	Deg. F	>200	>200	0.0	0-10%
Sulfide Reactivity	GP61734/GN12988	LA71915-1	mg/kg	0.0	0.0	0.0	0-10%

Associated Samples:
Batch GN12814: LA71905-10A
Batch GN13024: LA71905-10A
Batch GP61733: LA71905-10A
Batch GP61734: LA71905-10A
(*) Outside of QC limits

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

PPM Consultants

Ouachita Candy-Monroe, LA

11472001/03/04

SGS Job Number: LA71974

Sampling Dates: 06/08/21 - 06/09/21

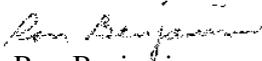
Report to:

PPM Consultants
1600 Lamy Lane
Monroe, LA 71201
holden.volentine@ppmco.com; shawn.ivey@ppmco.com;
Chris.Sampognaro@ppmco.com; jared.saterfiel@ppmco.com;
ATTN: Shawn Ivey

Total number of pages in report: **51**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.


Ron Benjamin
Lab Director

Client Service contact: Amy Jackson 337-237-4775

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31), NC(487), SC(73004001), NJ(LA007), TX(T104704186-18-16), WV(257)

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Test results relate only to samples analyzed.

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Sample Summary

PPM Consultants

Job No: LA71974

Ouachita Candy-Monroe, LA
 Project No: 11472001/03/04

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
---------------	----------------	---------	----------	-------------	------	------------------

This report contains results reported as ND = Not detected. The following applies:
 Organics ND = Not detected above the RL

LA71974-1	06/08/21	17:00	CTS	06/11/21	AQ	Field Blank Water	BLANK
LA71974-2	06/08/21	17:10	CTS	06/11/21	AQ	Equipment Blank	RINSE
LA71974-3	06/09/21	08:40	CTS	06/11/21	AQ	Field Blank Water	BLANK
LA71974-4	06/08/21	00:00	CTS	06/11/21	AQ	Trip Blank Water	TRIP
LA71974-5	06/08/21	00:00	CTS	06/11/21	AQ	Trip Blank Water	TRIP

Summary of Hits

Job Number: LA71974
Account: PPM Consultants
Project: Ouachita Candy-Monroe, LA
Collected: 06/08/21 thru 06/09/21

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

LA71974-1 BLANK

Barium 22.8 10 ug/l SW846 6010C

LA71974-2 RINSE

Barium 24.3 10 ug/l SW846 6010C

LA71974-3 BLANK

Barium 22.6 10 ug/l SW846 6010C

LA71974-4 TRIP

No hits reported in this sample.

LA71974-5 TRIP

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BLANK		Date Sampled: 06/08/21
Lab Sample ID: LA71974-1		Date Received: 06/11/21
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0038013.D	1	06/17/21 12:13	BH	06/15/21 15:00	OP18789	EA1127
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	113 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.18	ug/l	
120-12-7	Anthracene	ND	0.18	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.18	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.18	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.18	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.18	ug/l	
218-01-9	Chrysene	ND	0.18	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.18	ug/l	
206-44-0	Fluoranthene	ND	0.18	ug/l	
86-73-7	Fluorene	ND	0.18	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.18	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.18	ug/l	
91-20-3	Naphthalene	ND	0.18	ug/l	
85-01-8	Phenanthrene	ND	0.18	ug/l	
129-00-0	Pyrene	ND	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	86%		17-131%
321-60-8	2-Fluorobiphenyl	78%		11-122%
1718-51-0	Terphenyl-d14	84%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK		
Lab Sample ID: LA71974-1		Date Sampled: 06/08/21
Matrix: AQ - Field Blank Water		Date Received: 06/11/21
Method: SW846 8015C		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399220.D	1	06/15/21 01:13	NN	n/a	n/a	GLA3360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	103%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK	Date Sampled: 06/08/21
Lab Sample ID: LA71974-1	Date Received: 06/11/21
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304298.D	1	06/16/21 04:52	NN	n/a	n/a	GLP3039
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	101%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: BLANK	Date Sampled: 06/08/21
Lab Sample ID: LA71974-1	Date Received: 06/11/21
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032176.D	1	06/18/21 21:15	PC	06/17/21 10:00	OP18799	GLH744
Run #2							

Run #	Initial Volume	Final Volume
Run #1	53.4 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28) ^a	ND	0.14	mg/l	
	TPH-ORO (C28-C35) ^a	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	88%		40-118%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK	Date Sampled: 06/08/21
Lab Sample ID: LA71974-1	Date Received: 06/11/21
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Barium	22.8	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 5.0	5.0	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Lead	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/14/21	06/14/21 SA	SW846 7470A ¹	SW846 7470A ³
Selenium	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴

- (1) Instrument QC Batch: MA21695
- (2) Instrument QC Batch: MA21706
- (3) Prep QC Batch: MP21459
- (4) Prep QC Batch: MP21470

RL = Reporting Limit

Report of Analysis

Client Sample ID: RINSE		
Lab Sample ID: LA71974-2		Date Sampled: 06/08/21
Matrix: AQ - Equipment Blank		Date Received: 06/11/21
Method: SW846 8270D SW846 3510C		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0038014.D	1	06/17/21 12:39	BH	06/15/21 15:00	OP18789	EA1127
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	110 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.18	ug/l	
120-12-7	Anthracene	ND	0.18	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.18	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.18	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.18	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.18	ug/l	
218-01-9	Chrysene	ND	0.18	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.18	ug/l	
206-44-0	Fluoranthene	ND	0.18	ug/l	
86-73-7	Fluorene	ND	0.18	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.18	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.18	ug/l	
91-20-3	Naphthalene	ND	0.18	ug/l	
85-01-8	Phenanthrene	ND	0.18	ug/l	
129-00-0	Pyrene	ND	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	53%		17-131%
321-60-8	2-Fluorobiphenyl	47%		11-122%
1718-51-0	Terphenyl-d14	47%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: RINSE	Date Sampled: 06/08/21
Lab Sample ID: LA71974-2	Date Received: 06/11/21
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399222.D	1	06/15/21 01:35	NN	n/a	n/a	GLA3360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	103%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RINSE		
Lab Sample ID: LA71974-2		Date Sampled: 06/08/21
Matrix: AQ - Equipment Blank		Date Received: 06/11/21
Method: SW846 8021B		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304299.D	1	06/16/21 05:21	NN	n/a	n/a	GLP3039
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		65-139%
460-00-4	4-Bromofluorobenzene	103%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: RINSE	
Lab Sample ID: LA71974-2	Date Sampled: 06/08/21
Matrix: AQ - Equipment Blank	Date Received: 06/11/21
Method: SW846 8015C SW846 3511	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032177.D	1	06/18/21 21:39	PC	06/17/21 10:00	OP18799	GLH744
Run #2							

Run #	Initial Volume	Final Volume
Run #1	54.3 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28) ^a	ND	0.14	mg/l	
	TPH-ORO (C28-C35) ^a	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	93%		40-118%

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RINSE	Date Sampled: 06/08/21
Lab Sample ID: LA71974-2	Date Received: 06/11/21
Matrix: AQ - Equipment Blank	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Barium	24.3	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 5.0	5.0	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Lead	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/14/21	06/14/21 SA	SW846 7470A ¹	SW846 7470A ³
Selenium	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴

- (1) Instrument QC Batch: MA21695
- (2) Instrument QC Batch: MA21706
- (3) Prep QC Batch: MP21459
- (4) Prep QC Batch: MP21470

RL = Reporting Limit

Report of Analysis

Client Sample ID: BLANK		Date Sampled: 06/09/21
Lab Sample ID: LA71974-3		Date Received: 06/11/21
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0038015.D	1	06/17/21 13:04	BH	06/15/21 15:00	OP18789	EA1127
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	105 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.19	ug/l	
208-96-8	Acenaphthylene	ND	0.19	ug/l	
120-12-7	Anthracene	ND	0.19	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.19	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.19	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.19	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.19	ug/l	
218-01-9	Chrysene	ND	0.19	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.19	ug/l	
206-44-0	Fluoranthene	ND	0.19	ug/l	
86-73-7	Fluorene	ND	0.19	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.19	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.19	ug/l	
91-20-3	Naphthalene	ND	0.19	ug/l	
85-01-8	Phenanthrene	ND	0.19	ug/l	
129-00-0	Pyrene	ND	0.19	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	89%		17-131%
321-60-8	2-Fluorobiphenyl	80%		11-122%
1718-51-0	Terphenyl-d14	81%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: BLANK	Date Sampled: 06/09/21
Lab Sample ID: LA71974-3	Date Received: 06/11/21
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399240.D	1	06/15/21 04:57	NN	n/a	n/a	GLA3360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	103%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK	Date Sampled: 06/09/21
Lab Sample ID: LA71974-3	Date Received: 06/11/21
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304307.D	1	06/16/21 09:09	NN	n/a	n/a	GLP3039
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	99%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK	Date Sampled: 06/09/21
Lab Sample ID: LA71974-3	Date Received: 06/11/21
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032178.D	1	06/18/21 22:04	PC	06/17/21 10:00	OP18799	GLH744
Run #2							

Run #	Initial Volume	Final Volume
Run #1	53.6 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28) ^a	ND	0.14	mg/l	
	TPH-ORO (C28-C35) ^a	ND	0.14	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	89%		40-118%	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK	Date Sampled: 06/09/21
Lab Sample ID: LA71974-3	Date Received: 06/11/21
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Barium	22.6	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 5.0	5.0	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Lead	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/14/21	06/14/21 SA	SW846 7470A ¹	SW846 7470A ³
Selenium	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/14/21	06/15/21 RD	SW846 6010C ²	SW846 3010A ⁴

- (1) Instrument QC Batch: MA21695
- (2) Instrument QC Batch: MA21706
- (3) Prep QC Batch: MP21459
- (4) Prep QC Batch: MP21470

RL = Reporting Limit

Report of Analysis

Client Sample ID: TRIP		
Lab Sample ID: LA71974-4		Date Sampled: 06/08/21
Matrix: AQ - Trip Blank Water		Date Received: 06/11/21
Method: SW846 8015C		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399242.D	1	06/15/21 05:20	NN	n/a	n/a	GLA3360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	94%		80-132%	
540-36-3	1,4-Difluorobenzene	105%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP		Date Sampled: 06/08/21
Lab Sample ID: LA71974-4		Date Received: 06/11/21
Matrix: AQ - Trip Blank Water		Percent Solids: n/a
Method: SW846 8021B		
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304308.D	1	06/16/21 09:38	NN	n/a	n/a	GLP3039
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		65-139%
460-00-4	4-Bromofluorobenzene	102%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP		
Lab Sample ID: LA71974-5		Date Sampled: 06/08/21
Matrix: AQ - Trip Blank Water		Date Received: 06/11/21
Method: SW846 8015C		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399244.D	1	06/15/21 05:42	NN	n/a	n/a	GLA3360
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	102%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: TRIP	Date Sampled: 06/08/21
Lab Sample ID: LA71974-5	Date Received: 06/11/21
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304309.D	1	06/16/21 10:06	NN	n/a	n/a	GLP3039
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		65-139%
460-00-4	4-Bromofluorobenzene	103%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

SGS North America Inc. - Scott
500 Ambassador Caffery Parkway, Scott, LA 70583
TEL: 337.237.4775 FAX: 337.237.7838
www.sgs.com/ehsusu

FED-EX Tracking #
SGS Quote #
Bottle Order Control #
SGS Job # LA71974

Form containing Client/Reporting Information, Project Information, Requested Analysis, Matrix Codes, and a table of samples with columns for Sample #, Field ID, Date, Time, and various analysis codes.

4.1
4



MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18789-MB	A0038008.D	1	06/17/21	BH	06/15/21	OP18789	EA1127

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71974-1, LA71974-2, LA71974-3

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.20	ug/l	
208-96-8	Acenaphthylene	ND	0.20	ug/l	
120-12-7	Anthracene	ND	0.20	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	ug/l	
218-01-9	Chrysene	ND	0.20	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	ug/l	
206-44-0	Fluoranthene	ND	0.20	ug/l	
86-73-7	Fluorene	ND	0.20	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	ug/l	
91-20-3	Naphthalene	ND	0.20	ug/l	
85-01-8	Phenanthrene	ND	0.20	ug/l	
129-00-0	Pyrene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Limits	
4165-60-0	Nitrobenzene-d5	85%	17-131%
321-60-8	2-Fluorobiphenyl	84%	11-122%
1718-51-0	Terphenyl-d14	84%	21-144%

5.1.1
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Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18789-BS	A0038009.D	1	06/17/21	BH	06/15/21	OP18789	EA1127
OP18789-BSD	A0038010.D	1	06/17/21	BH	06/15/21	OP18789	EA1127

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71974-1, LA71974-2, LA71974-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5	4.1	82	4.1	82	0	19-119/30
208-96-8	Acenaphthylene	5	4.4	88	4.4	88	0	25-123/30
120-12-7	Anthracene	5	4.0	80	4.1	82	2	33-126/30
56-55-3	Benzo(a)anthracene	5	4.0	80	3.9	78	3	38-126/30
50-32-8	Benzo(a)pyrene	5	4.6	92	4.7	94	2	38-123/30
205-99-2	Benzo(b)fluoranthene	5	4.5	90	4.4	88	2	43-132/30
207-08-9	Benzo(k)fluoranthene	5	4.6	92	4.7	94	2	45-132/30
218-01-9	Chrysene	5	4.4	88	4.4	88	0	34-129/30
53-70-3	Dibenzo(a,h)anthracene	5	3.4	68	3.4	68	0	42-132/30
206-44-0	Fluoranthene	5	4.4	88	4.3	86	2	39-129/30
86-73-7	Fluorene	5	4.2	84	4.3	86	2	26-123/30
193-39-5	Indeno(1,2,3-cd)pyrene	5	3.5	70	3.5	70	0	38-132/30
91-57-6	2-Methylnaphthalene	5	4.1	82	4.1	82	0	19-110/30
91-20-3	Naphthalene	5	4.3	86	4.2	84	2	19-115/30
85-01-8	Phenanthrene	5	3.9	78	4.0	80	3	32-121/30
129-00-0	Pyrene	5	4.2	84	4.2	84	0	33-131/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	84%	83%	17-131%
321-60-8	2-Fluorobiphenyl	79%	80%	11-122%
1718-51-0	Terphenyl-d14	78%	78%	21-144%

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3360-MB1	LA399204.D	1	06/14/21	NN	n/a	n/a	GLA3360

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71974-1, LA71974-2, LA71974-3, LA71974-4, LA71974-5

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	91%	80-132%
540-36-3	1,4-Difluorobenzene	103%	66-136%

Method Blank Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3039-MB1	LP304289.D	1	06/16/21	NN	n/a	n/a	GLP3039

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71974-1, LA71974-2, LA71974-3, LA71974-4, LA71974-5

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Limits	
540-36-3	1,4-Difluorobenzene	103%	65-139%
460-00-4	4-Bromofluorobenzene	101%	54-159%

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3360-BS1	LA399200.D	1	06/14/21	NN	n/a	n/a	GLA3360
GLA3360-BSD1	LA399202.D	1	06/14/21	NN	n/a	n/a	GLA3360

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71974-1, LA71974-2, LA71974-3, LA71974-4, LA71974-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1	0.853	85	0.854	85	0	81-119/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	92%	92%	80-132%
540-36-3	1,4-Difluorobenzene	103%	102%	66-136%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3039-BS1	LP304287.D	1	06/15/21	NN	n/a	n/a	GLP3039
GLP3039-BSD1	LP304288.D	1	06/16/21	NN	n/a	n/a	GLP3039

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71974-1, LA71974-2, LA71974-3, LA71974-4, LA71974-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	47.3	95	49.0	98	4	86-117/10
100-41-4	Ethylbenzene	50	49.7	99	50.9	102	2	84-116/10
108-88-3	Toluene	50	50.1	100	51.7	103	3	87-115/10
1330-20-7	Xylenes (total)	150	151	101	155	103	3	84-118/11

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
540-36-3	1,4-Difluorobenzene	100%	100%	65-139%
460-00-4	4-Bromofluorobenzene	96%	98%	54-159%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA71913-28MS	LA399212.D	2	06/14/21	NN	n/a	n/a	GLA3360
LA71913-28MSD	LA399214.D	2	06/15/21	NN	n/a	n/a	GLA3360
LA71913-28	LA399206.D	1	06/14/21	NN	n/a	n/a	GLA3360

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71974-1, LA71974-2, LA71974-3, LA71974-4, LA71974-5

CAS No.	Compound	LA71913-28 Spike mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD	
	TPH-GRO (C6-C10)	ND	2	1.71	86	2	1.73	87	1	40-149/10

CAS No.	Surrogate Recoveries	MS	MSD	LA71913-28	Limits
460-00-4	4-Bromofluorobenzene	92%	91%	91%	80-132%
540-36-3	1,4-Difluorobenzene	101%	100%	102%	66-136%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA71936-5MS	LP304293.D	5	06/16/21	NN	n/a	n/a	GLP3039
LA71936-5MSD	LP304294.D	5	06/16/21	NN	n/a	n/a	GLP3039
LA71936-5	LP304290.D	5	06/16/21	NN	n/a	n/a	GLP3039

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71974-1, LA71974-2, LA71974-3, LA71974-4, LA71974-5

CAS No.	Compound	LA71936-5 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	421	250	635	86	250	635	86	0	38-160/15
100-41-4	Ethylbenzene	55.7	250	291	94	250	287	93	1	53-141/14
108-88-3	Toluene	13.7	250	254	96	250	254	96	0	53-143/16
1330-20-7	Xylenes (total)	9.4	750	743	98	750	726	96	2	51-144/16

CAS No.	Surrogate Recoveries	MS	MSD	LA71936-5	Limits
540-36-3	1,4-Difluorobenzene	94%	94%	97%	65-139%
460-00-4	4-Bromofluorobenzene	95%	95%	95%	54-159%

* = Outside of Control Limits.

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18799-MB	GLH032231.D 1		06/21/21	JE	06/17/21	OP18799	GLH746

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71974-1, LA71974-2, LA71974-3

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	0.14	mg/l	
	TPH-ORO (C28-C35)	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	125%* a 40-118%

(a) Outside control limits biased high. Sample ND.

7.1.1
7

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18799-BS1	GLH032150.D 1		06/18/21	PC	06/17/21	OP18799	GLH744
OP18799-BSD1	GLH032151.D 1		06/18/21	PC	06/17/21	OP18799	GLH744

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71974-1, LA71974-2, LA71974-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	11	11.3	102	10.3	94	9	72-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	117%	104%	40-118%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71974
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18799-BS2	GLH032152.D 1		06/18/21	PC	06/17/21	OP18799	GLH744
OP18799-BSD2	GLH032153.D 1		06/18/21	PC	06/17/21	OP18799	GLH744

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71974-1, LA71974-2, LA71974-3

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-ORO (C28-C35)	4.36	4.03	92	4.15	95	3	60-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	100%	98%	40-118%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71974
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21459
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/14/21

Metal	RL	IDL	MDL	MB raw	final
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Mercury 0.20 .012 .056 -0.0095 <0.20

Associated samples MP21459: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71974
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21459
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 06/14/21

Metal	LA71955-3 Original MS	SpikeLot HGSPIKE1	% Rec	QC Limits
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Mercury 0.0 2.1 5 42.0N(a) 75-125

Associated samples MP21459: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71974
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21459
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 06/14/21

Metal	LA71955-3 Original MSD	SpikeLot HGSPIKE1	% Rec	MSD RPD	QC Limit
Mercury	0.0	2.1	5	42.0N(a) 0.0	20

Associated samples MP21459: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference or sample non-homogeneity.

8.1.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71974
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21459
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/14/21

Metal	BSP Result	Spikelot HGSPIKE1	% Rec	QC Limits
-------	---------------	----------------------	-------	--------------

Mercury 5.5 5 110.0 80-120

Associated samples MP21459: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.1.3

8

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71974
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21459
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/14/21

Metal	LA71955-3 Original	SDL 1:5	%DIF	QC Limits
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Mercury 0.00 0.00 NC 0-

Associated samples MP21459: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71974
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21470
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/14/21

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	4.9	46		
Antimony	6.0	1.6	2.1		
Arsenic	10	4.2	6	-0.55	<10
Barium	10	.13	.7	-0.050	<10
Beryllium	4.0	.03	.3		
Boron	100	.49	5		
Cadmium	5.0	.17	.5	0.060	<5.0
Calcium	100	2.3	72		
Chromium	10	.32	1.1	0.32	<10
Cobalt	10	.24	.9		
Copper	10	.51	2.5		
Iron	100	2	48		
Lead	10	1.4	3.5	-1.6	<10
Lithium	10	.91	4.2		
Magnesium	100	16	81		
Manganese	10	.04	1.1		
Molybdenum	10	.24	.8		
Nickel	10	.46	1		
Potassium	500	20	120		
Selenium	10	1.5	4	0.89	<10
Silver	10	.57	1.4	-0.39	<10
Sodium	500	6.8	140		
Strontium	10	.05	.5		
Thallium	10	1.6	3		
Tin	10	.69	2		
Titanium	10	.36	.9		
Vanadium	10	.24	.5		
Zinc	20	.17	7.2		

Associated samples MP21470: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.2.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71974
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21470
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/14/21

Metal	LA71973-9 Original MS		SpikeLot ICPSPIKE1% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	0.0	1070	1000	107.0 75-125
Barium	139	1130	1000	99.1 75-125
Beryllium				
Boron				
Cadmium	0.0	1030	1000	103.0 75-125
Calcium				
Chromium	0.69	975	1000	97.4 75-125
Cobalt				
Copper				
Iron	anr			
Lead	3.3	1040	1000	103.7 75-125
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	2.9	1070	1000	106.7 75-125
Silver	0.0	998	1000	99.8 75-125
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP21470: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71974
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21470
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/14/21

Metal	LA71973-9 Original MSD		SpikeLot ICPSPK1% Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	0.0	1070	1000	107.0	0.0	20
Barium	139	1130	1000	99.1	0.0	20
Beryllium						
Boron						
Cadmium	0.0	1040	1000	104.0	1.0	20
Calcium						
Chromium	0.69	975	1000	97.4	0.0	20
Cobalt						
Copper						
Iron	anr					
Lead	3.3	1040	1000	103.7	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	2.9	1070	1000	106.7	0.0	20
Silver	0.0	1000	1000	100.0	0.2	20
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP21470: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71974
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21470
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/14/21

Metal	BSP Result	Spikelot ICP SPIKE1% Rec	QC Limits
Aluminum			
Antimony			
Arsenic	1040	1000	104.0 80-120
Barium	1000	1000	100.0 80-120
Beryllium			
Boron			
Cadmium	1020	1000	102.0 80-120
Calcium			
Chromium	994	1000	99.4 80-120
Cobalt			
Copper			
Iron	anr		
Lead	1050	1000	105.0 80-120
Lithium			
Magnesium			
Manganese			
Molybdenum			
Nickel			
Potassium			
Selenium	1030	1000	103.0 80-120
Silver	1010	1000	101.0 80-120
Sodium			
Strontium			
Thallium			
Tin			
Titanium			
Vanadium			
Zinc			

Associated samples MP21470: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.2.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71974
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21470
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/14/21

Metal	LA71973-9 Original SDL 1:5		%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	0.00	0.00	NC	0-10
Barium	139	140	0.5	0-10
Beryllium				
Boron				
Cadmium	0.00	0.00	NC	0-10
Calcium				
Chromium	0.690	0.00	100.0 (a)	0-10
Cobalt				
Copper				
Iron	anr			
Lead	3.33	0.00	100.0 (a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	2.86	0.00	100.0 (a)	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP21470: LA71974-1, LA71974-2, LA71974-3

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.2.4
8

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

PPM Consultants

Ouachita Candy-Monroe, LA

11472001/03/04

SGS Job Number: LA71978

Sampling Date: 06/09/21

Report to:

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Total number of pages in report: **53**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

A handwritten signature in black ink, appearing to read "Ron Benjamin".

Ron Benjamin
Lab Director

Client Service contact: Amy Jackson 337-237-4775

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31), NC(487), SC(73004001), NJ(LA007), TX(T104704186-18-16), WV(257)

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Test results relate only to samples analyzed.

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1

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8



Sample Summary

PPM Consultants

Job No: LA71978

Ouachita Candy-Monroe, LA
 Project No: 11472001/03/04

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
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This report contains results reported as ND = Not detected. The following applies:
 Organics ND = Not detected above the RL

LA71978-1	06/09/21	08:00	CS	06/11/21	AQ	Ground Water	TW-3
LA71978-2	06/09/21	08:10	CS	06/11/21	AQ	Ground Water	TW-4
LA71978-3	06/09/21	08:20	CS	06/11/21	AQ	Ground Water	TW-5
LA71978-4	06/09/21	08:30	CS	06/11/21	AQ	Ground Water	TW-6
LA71978-5	06/09/21	08:35	CS	06/11/21	AQ	Ground Water	DW-1

Summary of Hits

Job Number: LA71978
Account: PPM Consultants
Project: Ouachita Candy-Monroe, LA
Collected: 06/09/21

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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LA71978-1 TW-3

TPH-DRO (C10-C28)	0.162	0.14			mg/l	SW846 8015C
Barium	200	10			ug/l	SW846 6010C

LA71978-2 TW-4

No hits reported in this sample.

LA71978-3 TW-5

No hits reported in this sample.

LA71978-4 TW-6

TPH-GRO (C6-C10)	0.110	0.10			mg/l	SW846 8015C
TPH-DRO (C10-C28)	0.176	0.14			mg/l	SW846 8015C

LA71978-5 DW-1

TPH-DRO (C10-C28)	0.292	0.14			mg/l	SW846 8015C
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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: TW-3	Date Sampled: 06/09/21
Lab Sample ID: LA71978-1	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A0038080.D	1	06/18/21 17:38	LL	06/15/21 15:00	OP18789	EA1130
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	90.0 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.22	ug/l	
208-96-8	Acenaphthylene	ND	0.22	ug/l	
120-12-7	Anthracene	ND	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	0.22	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	0.22	ug/l	
86-73-7	Fluorene	ND	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	0.22	ug/l	
85-01-8	Phenanthrene	ND	0.22	ug/l	
129-00-0	Pyrene	ND	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		17-131%
321-60-8	2-Fluorobiphenyl	71%		11-122%
1718-51-0	Terphenyl-d14	71%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

31
3

Client Sample ID: TW-3	Date Sampled: 06/09/21
Lab Sample ID: LA71978-1	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399350.D	1	06/16/21 03:38	NN	n/a	n/a	GLA3361
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	105%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-3	Date Sampled: 06/09/21
Lab Sample ID: LA71978-1	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304311.D	1	06/16/21 11:04	NN	n/a	n/a	GLP3039
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	103%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

31
3

Client Sample ID: TW-3	Date Sampled: 06/09/21
Lab Sample ID: LA71978-1	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032232.D	1	06/21/21 18:27	JE	06/17/21 10:00	OP18799	GLH746
Run #2							

	Initial Volume	Final Volume
Run #1	54.7 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	0.162	0.14	mg/l	
	TPH-ORO (C28-C35)	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		40-118%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-3	Date Sampled: 06/09/21
Lab Sample ID: LA71978-1	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	< 10	10	ug/l	1	06/15/21	06/15/21 RD	SW846 6010C ¹	SW846 3010A ³
Barium	200	10	ug/l	1	06/15/21	06/15/21 RD	SW846 6010C ¹	SW846 3010A ³
Cadmium	< 5.0	5.0	ug/l	1	06/15/21	06/15/21 RD	SW846 6010C ¹	SW846 3010A ³
Chromium	< 10	10	ug/l	1	06/15/21	06/15/21 RD	SW846 6010C ¹	SW846 3010A ³
Lead	< 10	10	ug/l	1	06/15/21	06/15/21 RD	SW846 6010C ¹	SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	06/16/21	06/16/21 SA	SW846 7470A ²	SW846 7470A ⁴
Selenium	< 10	10	ug/l	1	06/15/21	06/15/21 RD	SW846 6010C ¹	SW846 3010A ³
Silver	< 10	10	ug/l	1	06/15/21	06/15/21 RD	SW846 6010C ¹	SW846 3010A ³

- (1) Instrument QC Batch: MA21707
- (2) Instrument QC Batch: MA21712
- (3) Prep QC Batch: MP21476
- (4) Prep QC Batch: MP21490

RL = Reporting Limit

Report of Analysis

32
3

Client Sample ID: TW-4	Date Sampled: 06/09/21
Lab Sample ID: LA71978-2	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399352.D	1	06/16/21 04:00	NN	n/a	n/a	GLA3361
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	105%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: TW-4	Date Sampled: 06/09/21
Lab Sample ID: LA71978-2	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304312.D	1	06/16/21 11:33	NN	n/a	n/a	GLP3039
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	104%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: TW-4	Date Sampled: 06/09/21
Lab Sample ID: LA71978-2	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032158.D	1	06/18/21 13:56	PC	06/17/21 10:00	OP18800	GLH744
Run #2							

	Initial Volume	Final Volume
Run #1	53.4 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	0.14	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	96%		40-118%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5	Date Sampled: 06/09/21
Lab Sample ID: LA71978-3	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399354.D	1	06/16/21 04:23	NN	n/a	n/a	GLA3361
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	87%		80-132%	
540-36-3	1,4-Difluorobenzene	103%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5		Date Sampled: 06/09/21
Lab Sample ID: LA71978-3		Date Received: 06/11/21
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8021B		
Project: Ouachita Candy-Monroe, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304318.D	1	06/16/21 14:26	NN	n/a	n/a	GLP3039
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	103%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Report of Analysis

Client Sample ID: TW-6	Date Sampled: 06/09/21
Lab Sample ID: LA71978-4	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399356.D	1	06/16/21 04:45	NN	n/a	n/a	GLA3361
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	0.110	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	91%		80-132%	
540-36-3	1,4-Difluorobenzene	100%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-6		Date Sampled: 06/09/21
Lab Sample ID: LA71978-4		Date Received: 06/11/21
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8021B		
Project: Ouachita Candy-Monroe, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304320.D	1	06/16/21 15:23	NN	n/a	n/a	GLP3039
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		65-139%
460-00-4	4-Bromofluorobenzene	103%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-6	Date Sampled: 06/09/21
Lab Sample ID: LA71978-4	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032205.D	1	06/19/21 19:26	LL	06/17/21 10:00	OP18801	GLH745
Run #2							

	Initial Volume	Final Volume
Run #1	54.2 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	0.176	0.14	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	94%		40-118%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: DW-1	Date Sampled: 06/09/21
Lab Sample ID: LA71978-5	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399358.D	1	06/16/21 05:08	NN	n/a	n/a	GLA3361
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	94%		80-132%	
540-36-3	1,4-Difluorobenzene	105%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DW-1	Date Sampled: 06/09/21
Lab Sample ID: LA71978-5	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304319.D	1	06/16/21 14:54	NN	n/a	n/a	GLP3039
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	104%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: DW-1	Date Sampled: 06/09/21
Lab Sample ID: LA71978-5	Date Received: 06/11/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032206.D	1	06/19/21 19:51	LL	06/17/21 10:00	OP18801	GLH745
Run #2							

	Initial Volume	Final Volume
Run #1	53.3 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	0.292	0.14	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	94%		40-118%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18789-MB	A0038008.D	1	06/17/21	BH	06/15/21	OP18789	EA1127

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71978-1

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.20	ug/l	
208-96-8	Acenaphthylene	ND	0.20	ug/l	
120-12-7	Anthracene	ND	0.20	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	ug/l	
218-01-9	Chrysene	ND	0.20	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	ug/l	
206-44-0	Fluoranthene	ND	0.20	ug/l	
86-73-7	Fluorene	ND	0.20	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	ug/l	
91-20-3	Naphthalene	ND	0.20	ug/l	
85-01-8	Phenanthrene	ND	0.20	ug/l	
129-00-0	Pyrene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Limits	
4165-60-0	Nitrobenzene-d5	85%	17-131%
321-60-8	2-Fluorobiphenyl	84%	11-122%
1718-51-0	Terphenyl-d14	84%	21-144%

5.1.1
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Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18789-BS	A0038009.D	1	06/17/21	BH	06/15/21	OP18789	EA1127
OP18789-BSD	A0038010.D	1	06/17/21	BH	06/15/21	OP18789	EA1127

The QC reported here applies to the following samples:

Method: SW846 8270D

LA71978-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5	4.1	82	4.1	82	0	19-119/30
208-96-8	Acenaphthylene	5	4.4	88	4.4	88	0	25-123/30
120-12-7	Anthracene	5	4.0	80	4.1	82	2	33-126/30
56-55-3	Benzo(a)anthracene	5	4.0	80	3.9	78	3	38-126/30
50-32-8	Benzo(a)pyrene	5	4.6	92	4.7	94	2	38-123/30
205-99-2	Benzo(b)fluoranthene	5	4.5	90	4.4	88	2	43-132/30
207-08-9	Benzo(k)fluoranthene	5	4.6	92	4.7	94	2	45-132/30
218-01-9	Chrysene	5	4.4	88	4.4	88	0	34-129/30
53-70-3	Dibenzo(a,h)anthracene	5	3.4	68	3.4	68	0	42-132/30
206-44-0	Fluoranthene	5	4.4	88	4.3	86	2	39-129/30
86-73-7	Fluorene	5	4.2	84	4.3	86	2	26-123/30
193-39-5	Indeno(1,2,3-cd)pyrene	5	3.5	70	3.5	70	0	38-132/30
91-57-6	2-Methylnaphthalene	5	4.1	82	4.1	82	0	19-110/30
91-20-3	Naphthalene	5	4.3	86	4.2	84	2	19-115/30
85-01-8	Phenanthrene	5	3.9	78	4.0	80	3	32-121/30
129-00-0	Pyrene	5	4.2	84	4.2	84	0	33-131/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	84%	83%	17-131%
321-60-8	2-Fluorobiphenyl	79%	80%	11-122%
1718-51-0	Terphenyl-d14	78%	78%	21-144%

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3361-MB2	LA399278.D	1	06/15/21	NN	n/a	n/a	GLA3361

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-1, LA71978-2, LA71978-3, LA71978-4, LA71978-5

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	92%	80-132%
540-36-3	1,4-Difluorobenzene	103%	66-136%

Method Blank Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3039-MB1	LP304289.D	1	06/16/21	NN	n/a	n/a	GLP3039

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71978-1, LA71978-2, LA71978-3, LA71978-4, LA71978-5

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Limits	
540-36-3	1,4-Difluorobenzene	103%	65-139%
460-00-4	4-Bromofluorobenzene	101%	54-159%

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3361-BS1	LA399268.D	1	06/15/21	NN	n/a	n/a	GLA3361
GLA3361-BSD1	LA399270.D	1	06/15/21	NN	n/a	n/a	GLA3361

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-1, LA71978-2, LA71978-3, LA71978-4, LA71978-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1	0.971	97	0.974	97	0	81-119/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	97%	96%	80-132%
540-36-3	1,4-Difluorobenzene	106%	103%	66-136%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3039-BS1	LP304287.D	1	06/15/21	NN	n/a	n/a	GLP3039
GLP3039-BSD1	LP304288.D	1	06/16/21	NN	n/a	n/a	GLP3039

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71978-1, LA71978-2, LA71978-3, LA71978-4, LA71978-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	47.3	95	49.0	98	4	86-117/10
100-41-4	Ethylbenzene	50	49.7	99	50.9	102	2	84-116/10
108-88-3	Toluene	50	50.1	100	51.7	103	3	87-115/10
1330-20-7	Xylenes (total)	150	151	101	155	103	3	84-118/11

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
540-36-3	1,4-Difluorobenzene	100%	100%	65-139%
460-00-4	4-Bromofluorobenzene	96%	98%	54-159%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA71977-9MS	LA399320.D	2	06/15/21	NN	n/a	n/a	GLA3361
LA71977-9MSD	LA399322.D	2	06/15/21	NN	n/a	n/a	GLA3361
LA71977-9 ^a	LA399338.D	1	06/16/21	NN	n/a	n/a	GLA3361

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-1, LA71978-2, LA71978-3, LA71978-4, LA71978-5

CAS No.	Compound	LA71977-9 mg/l	Spike Q mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	3.38	2	3.91	27* b	2	3.87	25* b	1	40-149/10

CAS No.	Surrogate Recoveries	MS	MSD	LA71977-9	Limits
460-00-4	4-Bromofluorobenzene	98%	96%	107%	80-132%
540-36-3	1,4-Difluorobenzene	108%	110%	129%	66-136%

(a) Sample used for QC purposes only.

(b) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA71936-5MS	LP304293.D	5	06/16/21	NN	n/a	n/a	GLP3039
LA71936-5MSD	LP304294.D	5	06/16/21	NN	n/a	n/a	GLP3039
LA71936-5	LP304290.D	5	06/16/21	NN	n/a	n/a	GLP3039

The QC reported here applies to the following samples:

Method: SW846 8021B

LA71978-1, LA71978-2, LA71978-3, LA71978-4, LA71978-5

CAS No.	Compound	LA71936-5 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	421	250	635	86	250	635	86	0	38-160/15
100-41-4	Ethylbenzene	55.7	250	291	94	250	287	93	1	53-141/14
108-88-3	Toluene	13.7	250	254	96	250	254	96	0	53-143/16
1330-20-7	Xylenes (total)	9.4	750	743	98	750	726	96	2	51-144/16

CAS No.	Surrogate Recoveries	MS	MSD	LA71936-5	Limits
540-36-3	1,4-Difluorobenzene	94%	94%	97%	65-139%
460-00-4	4-Bromofluorobenzene	95%	95%	95%	54-159%

* = Outside of Control Limits.

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18801-MB	GLH032188.D 1		06/19/21	LL	06/17/21	OP18801	GLH745

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-4, LA71978-5

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	0.0390	0.054	mg/l	J

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	110% 40-118%

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Method Blank Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18799-MB	GLH032231.D 1		06/21/21	JE	06/17/21	OP18799	GLH746

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-1

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	0.14	mg/l	
	TPH-ORO (C28-C35)	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	125%* a 40-118%

(a) Outside control limits biased high. Sample ND.

Method Blank Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18800-MB	GLH032231.D 1		06/21/21	JE	06/17/21	OP18800	GLH746

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-2

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	125%* a 40-118%

(a) Outside control limits biased high. Sample ND.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18799-BS1	GLH032150.D 1		06/18/21	PC	06/17/21	OP18799	GLH744
OP18799-BSD1	GLH032151.D 1		06/18/21	PC	06/17/21	OP18799	GLH744

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	11	11.3	102	10.3	94	9	72-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	117%	104%	40-118%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18800-BS	GLH032150.D 1		06/18/21	PC	06/17/21	OP18800	GLH744
OP18800-BSD	GLH032151.D 1		06/18/21	PC	06/17/21	OP18800	GLH744

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-2

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	11	11.3	102	10.3	94	9	72-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	117%	104%	40-118%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18799-BS2	GLH032152.D 1		06/18/21	PC	06/17/21	OP18799	GLH744
OP18799-BSD2	GLH032153.D 1		06/18/21	PC	06/17/21	OP18799	GLH744

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-1

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-ORO (C28-C35)	4.36	4.03	92	4.15	95	3	60-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	100%	98%	40-118%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA71978
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18801-BS	GLH032189.D 1		06/19/21	LL	06/17/21	OP18801	GLH745
OP18801-BSD	GLH032190.D 1		06/19/21	LL	06/17/21	OP18801	GLH745

The QC reported here applies to the following samples:

Method: SW846 8015C

LA71978-4, LA71978-5

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	10.9	9.48	87	9.68	88	2	72-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	98%	98%	40-118%

* = Outside of Control Limits.

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71978
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21476
Matrix Type: AQUEOUS

Methods: SW846 6010C
Units: ug/l

Prep Date: 06/15/21

Metal	RL	IDL	MDL	MB raw	final
Aluminum	100	9	46		
Antimony	6.0	1.4	2.1		
Arsenic	10	1.6	6	-0.55	<10
Barium	10	.19	.7	-0.010	<10
Beryllium	4.0	.14	.3		
Boron	100	1.3	5		
Cadmium	5.0	.12	.5	0.080	<5.0
Calcium	100	3.7	72		
Chromium	10	.4	1.1	0.29	<10
Cobalt	10	.19	.9		
Copper	10	.47	2.5		
Iron	100	7.3	48		
Lead	10	1.1	3.5	-0.40	<10
Lithium	10	.84	4.2		
Magnesium	100	11	81		
Manganese	10	.14	1.1		
Molybdenum	10	.16	.8		
Nickel	10	.34	1		
Potassium	500	26	120		
Selenium	10	1.7	4	-0.32	<10
Silver	10	.5	1.4	0.070	<10
Sodium	500	31	140		
Strontium	10	.07	.5		
Thallium	10	.72	3		
Tin	10	.49	2		
Titanium	10	.21	.9		
Vanadium	10	.25	.5		
Zinc	20	.14	7.2		

Associated samples MP21476: LA71978-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

8.1.1
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71978
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21476
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/15/21

Metal	TD69823-1 Original MS		SpikeLot ICPSPIKE1% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	98.3	1230	1000	113.2 75-125
Barium	29.1	764	1000	73.5N(a) 75-125
Beryllium	anr			
Boron				
Cadmium	1.3	1180	1000	117.9 75-125
Calcium	anr			
Chromium	0.0	929	1000	92.9 75-125
Cobalt				
Copper	anr			
Iron	anr			
Lead	0.0	1110	1000	111.0 75-125
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	0.0	1180	1000	118.0 75-125
Silver	0.0	953	1000	95.3 75-125
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP21476: LA71978-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

(a) Spike recovery indicates possible matrix interference or sample non-homogeneity.

8.12
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71978
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21476
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/15/21

Metal	TD69823-1 Original MSD		SpikeLot ICPSPK1E1% Rec		MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	98.3	1240	1000	114.2	0.8	20
Barium	29.1	903	1000	87.4	16.7	20
Beryllium	anr					
Boron						
Cadmium	1.3	1190	1000	118.9	0.8	20
Calcium	anr					
Chromium	0.0	985	1000	98.5	5.9	20
Cobalt						
Copper	anr					
Iron	anr					
Lead	0.0	1110	1000	111.0	0.0	20
Lithium						
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium						
Selenium	0.0	1170	1000	117.0	0.9	20
Silver	0.0	1010	1000	101.0	5.8	20
Sodium	anr					
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP21476: LA71978-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.12
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71978
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21476
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/15/21

Metal	BSP Result	Spikelot ICP SPIKE1%	Rec	QC Limits
Aluminum				
Antimony				
Arsenic	1010	1000	101.0	80-120
Barium	989	1000	98.9	80-120
Beryllium	anr			
Boron				
Cadmium	1040	1000	104.0	80-120
Calcium	anr			
Chromium	967	1000	96.7	80-120
Cobalt				
Copper	anr			
Iron	anr			
Lead	1030	1000	103.0	80-120
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	1050	1000	105.0	80-120
Silver	1020	1000	102.0	80-120
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP21476: LA71978-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (anr) Analyte not requested

8.1.3
8

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71978
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21476
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date: 06/15/21

Metal	TD69823-1 Original SDL 10:50%DIF		QC Limits	
Aluminum				
Antimony				
Arsenic	98.3	0.00	100.0 (a)	0-10
Barium	29.1	0.00	100.0 (a)	0-10
Beryllium	anr			
Boron				
Cadmium	1.29	0.00	100.0 (a)	0-10
Calcium	anr			
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper	anr			
Iron	anr			
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium	anr			
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP21476: LA71978-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(anr) Analyte not requested

(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

8.14
8

POST DIGESTATE SPIKE SUMMARY

Login Number: LA71978
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21476
 Matrix Type: AQUEOUS

Methods: SW846 6010C
 Units: ug/l

Prep Date:

06/15/21

Metal	Sample ml	Final ml	TD69823-1 Raw	PS Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Barium	0.2	10	29.1	.582	204.81	0.02	100	200	102.1	75-125
Boron										
Cobalt										
Iron										
Lithium										
Manganese										
Molybdenum										
Potassium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										

Associated samples MP21476: LA71978-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (**) Corr. sample result = Raw * (sample volume / final volume)
 (anr) Analyte not requested

8.1.5
 8

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: LA71978
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21490
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/16/21

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.20	.012	.056	-0.0063	<0.20

Associated samples MP21490: LA71978-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71978
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21490
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 06/16/21

Metal	LA71978-1 Original MS	Spikelot HGSPIKE1	% Rec	QC Limits
Mercury	0.0	4.4	5	88.0 75-125

Associated samples MP21490: LA71978-1

Results < IDL are shown as zero for calculation purposes
 (*) Outside of QC limits
 (N) Matrix Spike Rec. outside of QC limits
 (anr) Analyte not requested

8.2.2
8

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: LA71978
 Account: PPMLAM - PPM Consultants
 Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21490
 Matrix Type: AQUEOUS

Methods: SW846 7470A
 Units: ug/l

Prep Date: 06/16/21

Metal	LA71978-1 Original MSD	SpikeLot HGSPIKE1	% Rec	MSD RPD	QC Limit
Mercury	0.0	4.6	5	92.0	4.4 20

Associated samples MP21490: LA71978-1

Results < IDL are shown as zero for calculation purposes

(*) Outside of QC limits

(N) Matrix Spike Rec. outside of QC limits

(anr) Analyte not requested

8.2.2
8

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: LA71978
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21490
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/16/21

Metal	BSP Result	Spikelot HGSPIKE1	% Rec	QC Limits
Mercury	4.8	5	96.0	80-120

Associated samples MP21490: LA71978-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

82.3

8

SERIAL DILUTION RESULTS SUMMARY

Login Number: LA71978
Account: PPMLAM - PPM Consultants
Project: Ouachita Candy-Monroe, LA

QC Batch ID: MP21490
Matrix Type: AQUEOUS

Methods: SW846 7470A
Units: ug/l

Prep Date: 06/16/21

Metal	LA71978-1 Original	SDL 1:5	%DIF	QC Limits
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Mercury 0.00 0.00 NC 0-

Associated samples MP21490: LA71978-1

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

PPM Consultants

Ouachita Candy-Monroe, LA

11472001/03/04

SGS Job Number: LA72114

Sampling Date: 06/17/21

Report to:

PPM Consultants
1600 Lamy Lane
Monroe, LA 71201
holden.volentine@ppmco.com; shawn.ivey@ppmco.com;
Chris.Sampognaro@ppmco.com; jared.saterfiel@ppmco.com;
ATTN: Shawn Ivey

Total number of pages in report: 77



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Ron Benjamin
Lab Director

Client Service contact: Amy Jackson 337-237-4775

Certifications: LDEQ(2048), LDHH(LA150012), AR(14-045-04), AZ(AZ0805), FL(E87657), IL(200082), KY(#31), NC(487), SC(73004001), NJ(LA007), TX(T104704186-18-16), WV(257)

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Test results relate only to samples analyzed.



July 1, 2021

PPM Consultants
ATTN: Shawn Ivey
1600 Lamy Lane
Monroe, LA 71201

RE: SGS Job #LA72114 "Ouachita Candy-Monroe, LA"

Dear Mr. Ivey,

The final report for SGS Job LA72114 has been amended from the original. This report replaces in its entirety any previously submitted copy.

TPH Oil Range Organics (TPH-ORO) by EPA method 8015 were omitted from the original laboratory report due to a laboratory error. TPH-ORO results are included in this revised laboratory report. I apologize for the error and the inconvenience.

Sincerely,

A handwritten signature in black ink that reads "Amy Jackson".

Amy Jackson
Environment, Health and Safety
Project Manager
SGS-Scott

SGS IS THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

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Sample Summary

PPM Consultants

Job No: LA72114

Ouachita Candy-Monroe, LA
Project No: 11472001/03/04

Sample Number	Collected Date	Time By	Matrix Received	Code Type	Client Sample ID
---------------	----------------	---------	-----------------	-----------	------------------

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the RL

LA72114-1	06/17/21	11:30	CS	06/18/21	SO	Soil	P-1/S-8
LA72114-2	06/17/21	11:40	CS	06/18/21	SO	Soil	P-1/S-11
LA72114-3	06/17/21	12:30	CS	06/18/21	SO	Soil	P-2/S-7
LA72114-4	06/17/21	12:40	CS	06/18/21	SO	Soil	P-2/S-11
LA72114-5	06/17/21	15:00	CS	06/18/21	AQ	Water	BLANK
LA72114-6	06/17/21	15:30	CS	06/18/21	AQ	Water	RINSE
LA72114-7	06/17/21	00:00	CS	06/18/21	AQ	Trip Blank Water	TRIP
LA72114-8	06/17/21	14:30	CS	06/18/21	AQ	Ground Water	TW-1
LA72114-9	06/17/21	14:45	CS	06/18/21	AQ	Ground Water	TW-2

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Summary of Hits

Job Number: LA72114
Account: PPM Consultants
Project: Ouachita Candy-Monroe, LA
Collected: 06/17/21

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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LA72114-1 **P-1/S-8**

No hits reported in this sample.

LA72114-2 **P-1/S-11**

No hits reported in this sample.

LA72114-3 **P-2/S-7**

No hits reported in this sample.

LA72114-4 **P-2/S-11**

No hits reported in this sample.

LA72114-5 **BLANK**

No hits reported in this sample.

LA72114-6 **RINSE**

No hits reported in this sample.

LA72114-7 **TRIP**

No hits reported in this sample.

LA72114-8 **TW-1**

No hits reported in this sample.

LA72114-9 **TW-2**

TPH-DRO (C10-C28) 0.174 0.14 mg/l SW846 8015C

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: P-1/S-8	Date Sampled: 06/17/21
Lab Sample ID: LA72114-1	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8270D SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0066880.D	1	06/24/21 12:33	AA	06/19/21 12:00	OP18824	EC2609
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.0099	mg/kg	
208-96-8	Acenaphthylene	ND	0.0099	mg/kg	
120-12-7	Anthracene	ND	0.0099	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0099	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0099	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0099	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0099	mg/kg	
218-01-9	Chrysene	ND	0.0099	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0099	mg/kg	
206-44-0	Fluoranthene	ND	0.0099	mg/kg	
86-73-7	Fluorene	ND	0.0099	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0099	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0099	mg/kg	
91-20-3	Naphthalene	ND	0.0099	mg/kg	
85-01-8	Phenanthrene	ND	0.0099	mg/kg	
129-00-0	Pyrene	ND	0.0099	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	55%		24-123%
321-60-8	2-Fluorobiphenyl	56%		32-112%
1718-51-0	Terphenyl-d14	68%		41-115%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

31
3

Client Sample ID: P-1/S-8	Date Sampled: 06/17/21
Lab Sample ID: LA72114-1	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399892.D	1	06/22/21 14:44	NN	06/18/21 17:03	n/a	GLA3373
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	88%		63-139%	
540-36-3	1,4-Difluorobenzene	102%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

31
3

Client Sample ID: P-1/S-8	Date Sampled: 06/17/21
Lab Sample ID: LA72114-1	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304396.D	1	06/23/21 21:18	NN	06/18/21 17:03	n/a	GLP3046
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.050	mg/kg	
108-88-3	Toluene	ND	0.050	mg/kg	
100-41-4	Ethylbenzene	ND	0.050	mg/kg	
1330-20-7	Xylenes (total)	ND	0.15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	105%		74-120%
460-00-4	4-Bromofluorobenzene	98%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

31
3

Client Sample ID: P-1/S-8	Date Sampled: 06/17/21
Lab Sample ID: LA72114-1	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG009055.D	1	06/24/21 01:56	PC	06/22/21 08:00	OP18830	GLG1115
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	5.0	mg/kg	
	TPH-ORO (C28-C35)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	65%		31-127%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-1/S-11	Date Sampled: 06/17/21
Lab Sample ID: LA72114-2	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8270D SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0066882.D	1	06/24/21 13:17	AA	06/19/21 12:00	OP18824	EC2609
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.010	mg/kg	
208-96-8	Acenaphthylene	ND	0.010	mg/kg	
120-12-7	Anthracene	ND	0.010	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.010	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.010	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.010	mg/kg	
218-01-9	Chrysene	ND	0.010	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.010	mg/kg	
206-44-0	Fluoranthene	ND	0.010	mg/kg	
86-73-7	Fluorene	ND	0.010	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.010	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.010	mg/kg	
91-20-3	Naphthalene	ND	0.010	mg/kg	
85-01-8	Phenanthrene	ND	0.010	mg/kg	
129-00-0	Pyrene	ND	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		24-123%
321-60-8	2-Fluorobiphenyl	71%		32-112%
1718-51-0	Terphenyl-d14	84%		41-115%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: P-1/S-11	Date Sampled: 06/17/21
Lab Sample ID: LA72114-2	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399894.D	1	06/22/21 15:07	NN	06/18/21 17:03	n/a	GLA3373
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	88%		63-139%	
540-36-3	1,4-Difluorobenzene	100%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: P-1/S-11	Date Sampled: 06/17/21
Lab Sample ID: LA72114-2	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304397.D	1	06/23/21 21:46	NN	06/18/21 17:03	n/a	GLP3046
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.00 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.050	mg/kg	
108-88-3	Toluene	ND	0.050	mg/kg	
100-41-4	Ethylbenzene	ND	0.050	mg/kg	
1330-20-7	Xylenes (total)	ND	0.15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		74-120%
460-00-4	4-Bromofluorobenzene	85%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: P-1/S-11	Date Sampled: 06/17/21
Lab Sample ID: LA72114-2	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG009056.D	1	06/24/21 02:18	PC	06/22/21 08:00	OP18830	GLG1115
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	5.0	mg/kg	
	TPH-ORO (C28-C35)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		31-127%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-2/S-7		Date Sampled: 06/17/21
Lab Sample ID: LA72114-3		Date Received: 06/18/21
Matrix: SO - Soil		Percent Solids: n/a ^a
Method: SW846 8270D SW846 3546		
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0066883.D	1	06/24/21 13:39	AA	06/19/21 12:00	OP18824	EC2609
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	20.4 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.0098	mg/kg	
208-96-8	Acenaphthylene	ND	0.0098	mg/kg	
120-12-7	Anthracene	ND	0.0098	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0098	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0098	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0098	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0098	mg/kg	
218-01-9	Chrysene	ND	0.0098	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0098	mg/kg	
206-44-0	Fluoranthene	ND	0.0098	mg/kg	
86-73-7	Fluorene	ND	0.0098	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0098	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0098	mg/kg	
91-20-3	Naphthalene	ND	0.0098	mg/kg	
85-01-8	Phenanthrene	ND	0.0098	mg/kg	
129-00-0	Pyrene	ND	0.0098	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		24-123%
321-60-8	2-Fluorobiphenyl	71%		32-112%
1718-51-0	Terphenyl-d14	81%		41-115%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

33

Client Sample ID: P-2/S-7	Date Sampled: 06/17/21
Lab Sample ID: LA72114-3	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399896.D	1	06/22/21 15:30	NN	06/18/21 17:03	n/a	GLA3373
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	89%		63-139%	
540-36-3	1,4-Difluorobenzene	100%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-2/S-7		Date Sampled: 06/17/21
Lab Sample ID: LA72114-3		Date Received: 06/18/21
Matrix: SO - Soil		Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035		
Project: Ouachita Candy-Monroe, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304398.D	1	06/23/21 22:15	NN	06/18/21 17:03	n/a	GLP3046
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.047	mg/kg	
108-88-3	Toluene	ND	0.047	mg/kg	
100-41-4	Ethylbenzene	ND	0.047	mg/kg	
1330-20-7	Xylenes (total)	ND	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		74-120%
460-00-4	4-Bromofluorobenzene	86%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-2/S-7	Date Sampled: 06/17/21
Lab Sample ID: LA72114-3	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG009057.D	1	06/24/21 02:39	PC	06/22/21 08:00	OP18830	GLG1115
Run #2							

Run #	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	5.0	mg/kg	
	TPH-ORO (C28-C35)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		31-127%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: P-2/S-11		Date Sampled: 06/17/21
Lab Sample ID: LA72114-4		Date Received: 06/18/21
Matrix: SO - Soil		Percent Solids: n/a ^a
Method: SW846 8270D SW846 3546		
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0066884.D	1	06/24/21 14:01	AA	06/19/21 12:00	OP18824	EC2609
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	20.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.0099	mg/kg	
208-96-8	Acenaphthylene	ND	0.0099	mg/kg	
120-12-7	Anthracene	ND	0.0099	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.0099	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.0099	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.0099	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.0099	mg/kg	
218-01-9	Chrysene	ND	0.0099	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.0099	mg/kg	
206-44-0	Fluoranthene	ND	0.0099	mg/kg	
86-73-7	Fluorene	ND	0.0099	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.0099	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.0099	mg/kg	
91-20-3	Naphthalene	ND	0.0099	mg/kg	
85-01-8	Phenanthrene	ND	0.0099	mg/kg	
129-00-0	Pyrene	ND	0.0099	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		24-123%
321-60-8	2-Fluorobiphenyl	68%		32-112%
1718-51-0	Terphenyl-d14	79%		41-115%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.4
3

Client Sample ID: P-2/S-11	Date Sampled: 06/17/21
Lab Sample ID: LA72114-4	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399898.D	1	06/22/21 15:52	NN	06/18/21 17:03	n/a	GLA3373
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	4.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	90%		63-139%	
540-36-3	1,4-Difluorobenzene	102%		52-140%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

34
3

Client Sample ID: P-2/S-11	Date Sampled: 06/17/21
Lab Sample ID: LA72114-4	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8021B SW846 5035	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304399.D	1	06/23/21 22:43	NN	06/18/21 17:03	n/a	GLP3046
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.30 g	5.0 ml	100 ul
Run #2			

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	0.047	mg/kg	
108-88-3	Toluene	ND	0.047	mg/kg	
100-41-4	Ethylbenzene	ND	0.047	mg/kg	
1330-20-7	Xylenes (total)	ND	0.14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		74-120%
460-00-4	4-Bromofluorobenzene	83%		56-162%

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.4
3

Client Sample ID: P-2/S-11	Date Sampled: 06/17/21
Lab Sample ID: LA72114-4	Date Received: 06/18/21
Matrix: SO - Soil	Percent Solids: n/a ^a
Method: SW846 8015C SW846 3546	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LG009058.D	1	06/24/21 03:00	PC	06/22/21 08:00	OP18830	GLG1115
Run #2							

	Initial Weight	Final Volume
Run #1	20.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	5.0	mg/kg	
	TPH-ORO (C28-C35)	ND	5.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	65%		31-127%	

(a) All results with the exception of 29B parameters are reported on a wet weight basis.

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK		Date Sampled: 06/17/21
Lab Sample ID: LA72114-5		Date Received: 06/18/21
Matrix: AQ - Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0040099.D	1	06/23/21 13:32	LL	06/22/21 03:00	OP18834	EL1186
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	113 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.18	ug/l	
120-12-7	Anthracene	ND	0.18	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.18	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.18	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.18	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.18	ug/l	
218-01-9	Chrysene	ND	0.18	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.18	ug/l	
206-44-0	Fluoranthene	ND	0.18	ug/l	
86-73-7	Fluorene	ND	0.18	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.18	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.18	ug/l	
91-20-3	Naphthalene	ND	0.18	ug/l	
85-01-8	Phenanthrene	ND	0.18	ug/l	
129-00-0	Pyrene	ND	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	93%		17-131%
321-60-8	2-Fluorobiphenyl	83%		11-122%
1718-51-0	Terphenyl-d14	93%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: BLANK	Date Sampled: 06/17/21
Lab Sample ID: LA72114-5	Date Received: 06/18/21
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399770.D	1	06/21/21 12:01	NN	n/a	n/a	GLA3371
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	92%		80-132%	
540-36-3	1,4-Difluorobenzene	102%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK		
Lab Sample ID: LA72114-5		Date Sampled: 06/17/21
Matrix: AQ - Water		Date Received: 06/18/21
Method: SW846 8021B		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304356.D	1	06/21/21 14:20	NN	n/a	n/a	GLP3044
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		65-139%
460-00-4	4-Bromofluorobenzene	105%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: BLANK		Date Sampled: 06/17/21
Lab Sample ID: LA72114-5		Date Received: 06/18/21
Matrix: AQ - Water		Percent Solids: n/a
Method: SW846 8015C SW846 3511		
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032259.D	1	06/24/21 17:00	PC	06/23/21 13:00	OP18839	GLH747
Run #2							

	Initial Volume	Final Volume
Run #1	54.7 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	0.14	mg/l	
	TPH-ORO (C28-C35)	ND	0.14	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	98%		40-118%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RINSE		
Lab Sample ID: LA72114-6		Date Sampled: 06/17/21
Matrix: AQ - Water		Date Received: 06/18/21
Method: SW846 8270D SW846 3510C		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0040100.D	1	06/23/21 13:57	LL	06/22/21 03:00	OP18834	EL1186
Run #2							

Run #	Initial Volume	Final Volume
Run #1	110 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.18	ug/l	
208-96-8	Acenaphthylene	ND	0.18	ug/l	
120-12-7	Anthracene	ND	0.18	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.18	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.18	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.18	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.18	ug/l	
218-01-9	Chrysene	ND	0.18	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.18	ug/l	
206-44-0	Fluoranthene	ND	0.18	ug/l	
86-73-7	Fluorene	ND	0.18	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.18	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.18	ug/l	
91-20-3	Naphthalene	ND	0.18	ug/l	
85-01-8	Phenanthrene	ND	0.18	ug/l	
129-00-0	Pyrene	ND	0.18	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	92%		17-131%
321-60-8	2-Fluorobiphenyl	85%		11-122%
1718-51-0	Terphenyl-d14	96%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RINSE		Date Sampled: 06/17/21
Lab Sample ID: LA72114-6		Date Received: 06/18/21
Matrix: AQ - Water		Percent Solids: n/a
Method: SW846 8015C		
Project: Ouachita Candy-Monroe, LA		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399772.D	1	06/21/21 12:24	NN	n/a	n/a	GLA3371
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	104%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RINSE	Date Sampled: 06/17/21
Lab Sample ID: LA72114-6	Date Received: 06/18/21
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304357.D	1	06/21/21 14:48	NN	n/a	n/a	GLP3044
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	104%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: RINSE	Date Sampled: 06/17/21
Lab Sample ID: LA72114-6	Date Received: 06/18/21
Matrix: AQ - Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032260.D	1	06/24/21 17:23	PC	06/23/21 13:00	OP18839	GLH747
Run #2							

	Initial Volume	Final Volume
Run #1	54.2 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	0.14	mg/l	
	TPH-ORO (C28-C35)	ND	0.14	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
84-15-1	o-Terphenyl	96%		40-118%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: TRIP	Date Sampled: 06/17/21
Lab Sample ID: LA72114-7	Date Received: 06/18/21
Matrix: AQ - Trip Blank Water	Percent Solids: n/a
Method: SW846 8015C	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399774.D	1	06/21/21 12:47	NN	n/a	n/a	GLA3371
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	95%		80-132%	
540-36-3	1,4-Difluorobenzene	104%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP		
Lab Sample ID: LA72114-7		Date Sampled: 06/17/21
Matrix: AQ - Trip Blank Water		Date Received: 06/18/21
Method: SW846 8021B		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304360.D	1	06/21/21 16:15	NN	n/a	n/a	GLP3044
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		65-139%
460-00-4	4-Bromofluorobenzene	107%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-1		Date Sampled: 06/17/21
Lab Sample ID: LA72114-8		Date Received: 06/18/21
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: Ouachita Candy-Monroe, LA		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0040101.D	1	06/23/21 14:23	LL	06/22/21 03:00	OP18834	EL1186
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	90.0 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.22	ug/l	
208-96-8	Acenaphthylene	ND	0.22	ug/l	
120-12-7	Anthracene	ND	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	0.22	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	0.22	ug/l	
86-73-7	Fluorene	ND	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	0.22	ug/l	
85-01-8	Phenanthrene	ND	0.22	ug/l	
129-00-0	Pyrene	ND	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		17-131%
321-60-8	2-Fluorobiphenyl	72%		11-122%
1718-51-0	Terphenyl-d14	76%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.8
3

Client Sample ID: TW-1	
Lab Sample ID: LA72114-8	Date Sampled: 06/17/21
Matrix: AQ - Ground Water	Date Received: 06/18/21
Method: SW846 8015C	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399966.D	1	06/23/21 13:46	NN	n/a	n/a	GLA3374
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	93%		80-132%	
540-36-3	1,4-Difluorobenzene	103%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis



Client Sample ID: TW-1	Date Sampled: 06/17/21
Lab Sample ID: LA72114-8	Date Received: 06/18/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304393.D	1	06/23/21 19:53	NN	n/a	n/a	GLP3045
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	104%		65-139%
460-00-4	4-Bromofluorobenzene	104%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.8
3

Client Sample ID: TW-1	
Lab Sample ID: LA72114-8	Date Sampled: 06/17/21
Matrix: AQ - Ground Water	Date Received: 06/18/21
Method: SW846 8015C SW846 3511	Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032261.D	1	06/24/21 17:47	PC	06/23/21 13:00	OP18839	GLH747
Run #2							

	Initial Volume	Final Volume
Run #1	54.0 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	0.14	mg/l	
	TPH-ORO (C28-C35)	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	97%		40-118%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-2	Date Sampled: 06/17/21
Lab Sample ID: LA72114-9	Date Received: 06/18/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: Ouachita Candy-Monroe, LA	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L0040102.D	1	06/23/21 14:50	LL	06/22/21 03:00	OP18834	EL1186
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	90.0 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.22	ug/l	
208-96-8	Acenaphthylene	ND	0.22	ug/l	
120-12-7	Anthracene	ND	0.22	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.22	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.22	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.22	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.22	ug/l	
218-01-9	Chrysene	ND	0.22	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	ug/l	
206-44-0	Fluoranthene	ND	0.22	ug/l	
86-73-7	Fluorene	ND	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.22	ug/l	
91-20-3	Naphthalene	ND	0.22	ug/l	
85-01-8	Phenanthrene	ND	0.22	ug/l	
129-00-0	Pyrene	ND	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	87%		17-131%
321-60-8	2-Fluorobiphenyl	86%		11-122%
1718-51-0	Terphenyl-d14	100%		21-144%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-2		
Lab Sample ID: LA72114-9		Date Sampled: 06/17/21
Matrix: AQ - Ground Water		Date Received: 06/18/21
Method: SW846 8015C		Percent Solids: n/a
Project: Ouachita Candy-Monroe, LA		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LA399964.D	1	06/23/21 13:23	NN	n/a	n/a	GLA3374
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits	
460-00-4	4-Bromofluorobenzene	95%		80-132%	
540-36-3	1,4-Difluorobenzene	104%		66-136%	

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

39
3

Client Sample ID: TW-2	Date Sampled: 06/17/21
Lab Sample ID: LA72114-9	Date Received: 06/18/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8021B	
Project: Ouachita Candy-Monroe, LA	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LP304394.D	1	06/23/21 20:21	NN	n/a	n/a	GLP3045
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
540-36-3	1,4-Difluorobenzene	103%		65-139%
460-00-4	4-Bromofluorobenzene	103%		54-159%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.9
3

Client Sample ID: TW-2	Date Sampled: 06/17/21
Lab Sample ID: LA72114-9	Date Received: 06/18/21
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8015C SW846 3511	
Project: Ouachita Candy-Monroe, LA	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GLH032262.D	1	06/24/21 18:09	PC	06/23/21 13:00	OP18839	GLH747
Run #2							

	Initial Volume	Final Volume
Run #1	54.8 ml	3.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	0.174	0.14	mg/l	
	TPH-ORO (C28-C35)	ND	0.14	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	100%		40-118%

ND = Not detected
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



CHAIN OF CUSTODY

SGS North America Inc. - Scott
500 Ambassador Caffery Parkway, Scott, LA 70583
TEL: 337.237.4775 FAX: 337.237.7838
www.sgs.com/ehausa

LABORATORY # LA 72114

Form containing Client/Reporting Information, Project Information, Requested Analysis, Matrix Codes, and a table of samples with columns for Sample ID, Date, Time, and various test results.

4.1
4

LA72114: Chain of Custody

Page 1 of 1



MS Semi-volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18824-MB	C0066877.D	1	06/24/21	AA	06/19/21	OP18824	EC2609

The QC reported here applies to the following samples:

Method: SW846 8270D

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	10	ug/kg	
208-96-8	Acenaphthylene	ND	10	ug/kg	
120-12-7	Anthracene	ND	10	ug/kg	
56-55-3	Benzo(a)anthracene	ND	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	10	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	10	ug/kg	
218-01-9	Chrysene	ND	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	10	ug/kg	
206-44-0	Fluoranthene	ND	10	ug/kg	
86-73-7	Fluorene	ND	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	10	ug/kg	
91-20-3	Naphthalene	ND	10	ug/kg	
85-01-8	Phenanthrene	ND	10	ug/kg	
129-00-0	Pyrene	ND	10	ug/kg	

CAS No.	Surrogate Recoveries	Limits
367-12-4	2-Fluorophenol	77% 25-109%
4165-62-2	Phenol-d5	73% 30-110%
118-79-6	2,4,6-Tribromophenol	72% 27-127%
4165-60-0	Nitrobenzene-d5	67% 24-123%
321-60-8	2-Fluorobiphenyl	69% 32-112%
1718-51-0	Terphenyl-d14	85% 41-115%

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18834-MB	L0040091.D	1	06/23/21	LL	06/22/21	OP18834	EL1186

The QC reported here applies to the following samples:

Method: SW846 8270D

LA72114-5, LA72114-6, LA72114-8, LA72114-9

CAS No.	Compound	Result	RL	Units	Q
83-32-9	Acenaphthene	ND	0.20	ug/l	
208-96-8	Acenaphthylene	ND	0.20	ug/l	
120-12-7	Anthracene	ND	0.20	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.20	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.20	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.20	ug/l	
218-01-9	Chrysene	ND	0.20	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.20	ug/l	
206-44-0	Fluoranthene	ND	0.20	ug/l	
86-73-7	Fluorene	ND	0.20	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.20	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.20	ug/l	
91-20-3	Naphthalene	ND	0.20	ug/l	
85-01-8	Phenanthrene	ND	0.20	ug/l	
129-00-0	Pyrene	ND	0.20	ug/l	

CAS No.	Surrogate Recoveries	Limits	
4165-60-0	Nitrobenzene-d5	82%	17-131%
321-60-8	2-Fluorobiphenyl	83%	11-122%
1718-51-0	Terphenyl-d14	89%	21-144%

5.1.2
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18824-BS	C0066878.D	1	06/24/21	AA	06/19/21	OP18824	EC2609
OP18824-BSD	C0066879.D	1	06/24/21	AA	06/19/21	OP18824	EC2609

The QC reported here applies to the following samples:

Method: SW846 8270D

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	2500	2140	86	2150	86	0	68-102/15
208-96-8	Acenaphthylene	2500	2160	86	2170	87	0	69-106/15
120-12-7	Anthracene	2500	2350	94	2400	96	2	70-105/16
56-55-3	Benzo(a)anthracene	2500	2210	88	2220	89	0	66-102/16
50-32-8	Benzo(a)pyrene	2500	2660	106	2700	108	1	69-110/16
205-99-2	Benzo(b)fluoranthene	2500	2350	94	2390	96	2	66-109/18
207-08-9	Benzo(k)fluoranthene	2500	2480	99	2480	99	0	68-110/17
218-01-9	Chrysene	2500	2290	92	2320	93	1	66-104/16
53-70-3	Dibenzo(a,h)anthracene	2500	2410	96	2450	98	2	68-108/16
206-44-0	Fluoranthene	2500	2380	95	2400	96	1	70-108/17
86-73-7	Fluorene	2500	2280	91	2290	92	0	69-104/16
193-39-5	Indeno(1,2,3-cd)pyrene	2500	2350	94	2400	96	2	68-108/16
91-57-6	2-Methylnaphthalene	2500	2150	86	2140	86	0	70-102/14
91-20-3	Naphthalene	2500	2140	86	2100	84	2	68-100/14
85-01-8	Phenanthrene	2500	2270	91	2300	92	1	68-101/16
129-00-0	Pyrene	2500	2340	94	2390	96	2	67-107/16

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	83%	83%	25-109%
4165-62-2	Phenol-d5	82%	80%	30-110%
118-79-6	2,4,6-Tribromophenol	87%	91%	27-127%
4165-60-0	Nitrobenzene-d5	75%	77%	24-123%
321-60-8	2-Fluorobiphenyl	77%	77%	32-112%
1718-51-0	Terphenyl-d14	86%	88%	41-115%

* = Outside of Control Limits.

5.2.1
5

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18834-BS	L0040092.D	1	06/23/21	LL	06/22/21	OP18834	EL1186
OP18834-BSD	L0040093.D	1	06/23/21	LL	06/22/21	OP18834	EL1186

The QC reported here applies to the following samples:

Method: SW846 8270D

LA72114-5, LA72114-6, LA72114-8, LA72114-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5	4.0	80	4.1	82	2	19-119/30
208-96-8	Acenaphthylene	5	4.4	88	4.5	90	2	25-123/30
120-12-7	Anthracene	5	3.8	76	3.7	74	3	33-126/30
56-55-3	Benzo(a)anthracene	5	4.1	82	4.1	82	0	38-126/30
50-32-8	Benzo(a)pyrene	5	4.4	88	4.4	88	0	38-123/30
205-99-2	Benzo(b)fluoranthene	5	4.0	80	4.1	82	2	43-132/30
207-08-9	Benzo(k)fluoranthene	5	4.6	92	4.7	94	2	45-132/30
218-01-9	Chrysene	5	4.2	84	4.3	86	2	34-129/30
53-70-3	Dibenzo(a,h)anthracene	5	4.1	82	4.1	82	0	42-132/30
206-44-0	Fluoranthene	5	4.2	84	4.2	84	0	39-129/30
86-73-7	Fluorene	5	4.4	88	4.3	86	2	26-123/30
193-39-5	Indeno(1,2,3-cd)pyrene	5	4.1	82	4.0	80	2	38-132/30
91-57-6	2-Methylnaphthalene	5	3.5	70	3.7	74	6	19-110/30
91-20-3	Naphthalene	5	4.0	80	4.3	86	7	19-115/30
85-01-8	Phenanthrene	5	4.1	82	4.1	82	0	32-121/30
129-00-0	Pyrene	5	4.2	84	4.2	84	0	33-131/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
4165-60-0	Nitrobenzene-d5	74%	82%	17-131%
321-60-8	2-Fluorobiphenyl	79%	82%	11-122%
1718-51-0	Terphenyl-d14	83%	84%	21-144%

* = Outside of Control Limits.

5.2.2
5

Matrix Spike Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18824-MS	C0066881.D	1	06/24/21	AA	06/19/21	OP18824	EC2609
LA72114-1	C0066880.D	1	06/24/21	AA	06/19/21	OP18824	EC2609

The QC reported here applies to the following samples:

Method: SW846 8270D

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	LA72114-1 ug/kg	Spike Q	MS ug/kg	MS %	Limits	
83-32-9	Acenaphthene	ND		2480	1590	64	41-115
208-96-8	Acenaphthylene	ND		2480	1610	65	47-113
120-12-7	Anthracene	ND		2480	1750	71	48-111
56-55-3	Benzo(a)anthracene	ND		2480	1600	65	47-106
50-32-8	Benzo(a)pyrene	ND		2480	1940	78	49-115
205-99-2	Benzo(b)fluoranthene	ND		2480	1710	69	45-114
207-08-9	Benzo(k)fluoranthene	ND		2480	1830	74	47-114
218-01-9	Chrysene	ND		2480	1680	68	47-109
53-70-3	Dibenzo(a,h)anthracene	ND		2480	1760	71	48-112
206-44-0	Fluoranthene	ND		2480	1780	72	47-118
86-73-7	Fluorene	ND		2480	1710	69	37-121
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2480	1710	69	47-113
91-57-6	2-Methylnaphthalene	ND		2480	1550	63	44-117
91-20-3	Naphthalene	ND		2480	1510	61	34-125
85-01-8	Phenanthrene	ND		2480	1690	68	43-111
129-00-0	Pyrene	ND		2480	1730	70	42-120

CAS No.	Surrogate Recoveries	MS	LA72114-1	Limits
367-12-4	2-Fluorophenol	55%		25-109%
4165-62-2	Phenol-d5	56%		30-110%
118-79-6	2,4,6-Tribromophenol	70%		27-127%
4165-60-0	Nitrobenzene-d5	56%	55%	24-123%
321-60-8	2-Fluorobiphenyl	58%	56%	32-112%
1718-51-0	Terphenyl-d14	64%	68%	41-115%

* = Outside of Control Limits.

5.3.1
5

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18834-MS	L0040114.D	1	06/23/21	LL	06/22/21	OP18834	EL1186
OP18834-MSD	L0040115.D	1	06/23/21	LL	06/22/21	OP18834	EL1186
LA72123-11	L0040113.D	1	06/23/21	LL	06/22/21	OP18834	EL1186

The QC reported here applies to the following samples:

Method: SW846 8270D

LA72114-5, LA72114-6, LA72114-8, LA72114-9

CAS No.	Compound	LA72123-11 Spike		MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
		ug/l	Q ug/l							
83-32-9	Acenaphthene	ND	4.55	3.7	81	4.55	3.8	84	3	19-119/38
208-96-8	Acenaphthylene	ND	4.55	3.8	84	4.55	3.9	86	3	25-123/40
120-12-7	Anthracene	ND	4.55	1.4	31* a	4.55	1.4	31* a	0	33-126/30
56-55-3	Benzo(a)anthracene	ND	4.55	3.5	77	4.55	3.8	84	8	38-126/32
50-32-8	Benzo(a)pyrene	ND	4.55	2.0	44	4.55	2.0	44	0	38-123/33
205-99-2	Benzo(b)fluoranthene	ND	4.55	3.5	77	4.55	3.6	79	3	43-132/34
207-08-9	Benzo(k)fluoranthene	ND	4.55	3.0	66	4.55	3.2	70	6	45-132/27
218-01-9	Chrysene	ND	4.55	3.4	75	4.55	3.6	79	6	34-129/28
53-70-3	Dibenzo(a,h)anthracene	ND	4.55	2.9	64	4.55	2.8	62	4	42-132/29
206-44-0	Fluoranthene	ND	4.55	3.7	81	4.55	4.0	88	8	39-129/27
86-73-7	Fluorene	ND	4.55	4.0	88	4.55	4.2	92	5	26-123/39
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.55	2.7	59	4.55	2.8	62	4	38-132/32
91-57-6	2-Methylnaphthalene	ND	4.55	3.2	70	4.55	3.4	75	6	19-110/37
91-20-3	Naphthalene	ND	4.55	3.6	79	4.55	3.8	84	5	19-115/39
85-01-8	Phenanthrene	0.015	4.55	3.6	79	4.55	3.9	85	8	32-121/30
129-00-0	Pyrene	ND	4.55	3.7	81	4.55	4.1	90	10	33-131/32

CAS No.	Surrogate Recoveries	MS	MSD	LA72123-11	Limits
4165-60-0	Nitrobenzene-d5	92%	102%	91%	17-131%
321-60-8	2-Fluorobiphenyl	80%	84%	73%	11-122%
1718-51-0	Terphenyl-d14	76%	82%	78%	21-144%

(a) Outside control limits due to matrix interference. The BS/BSD met criteria.

* = Outside of Control Limits.

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3371-MB2	LA399768.D	1	06/21/21	NN	n/a	n/a	GLA3371

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-5, LA72114-6, LA72114-7

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	91%	80-132%
540-36-3	1,4-Difluorobenzene	102%	66-136%

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3373-MB1	LA399890.D	1	06/22/21	NN	n/a	n/a	GLA3373

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	86%	63-139%
540-36-3	1,4-Difluorobenzene	102%	52-140%

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3374-MB2	LA399962.D	1	06/23/21	NN	n/a	n/a	GLA3374

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-8, LA72114-9

CAS No.	Compound	Result	RL	Units	Q
	TPH-GRO (C6-C10)	ND	0.10	mg/l	

CAS No.	Surrogate Recoveries	Limits	
460-00-4	4-Bromofluorobenzene	94%	80-132%
540-36-3	1,4-Difluorobenzene	104%	66-136%

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3044-MB1	LP304351.D	1	06/21/21	NN	n/a	n/a	GLP3044

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-5, LA72114-6, LA72114-7

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Limits	
540-36-3	1,4-Difluorobenzene	103%	65-139%
460-00-4	4-Bromofluorobenzene	104%	54-159%

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3046-MB1	LP304386.D	1	06/23/21	NN	n/a	n/a	GLP3046

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	50	ug/kg	
100-41-4	Ethylbenzene	ND	50	ug/kg	
108-88-3	Toluene	ND	50	ug/kg	
1330-20-7	Xylenes (total)	ND	150	ug/kg	

CAS No.	Surrogate Recoveries	Limits	
540-36-3	1,4-Difluorobenzene	103%	74-120%
460-00-4	4-Bromofluorobenzene	79%	56-162%

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3045-MB2	LP304387.D	1	06/23/21	NN	n/a	n/a	GLP3045

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-8, LA72114-9

CAS No.	Compound	Result	RL	Units	Q
71-43-2	Benzene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
1330-20-7	Xylenes (total)	ND	3.0	ug/l	

CAS No.	Surrogate Recoveries	Limits	
540-36-3	1,4-Difluorobenzene	105%	65-139%
460-00-4	4-Bromofluorobenzene	109%	54-159%

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3371-BS1	LA399758.D	1	06/21/21	NN	n/a	n/a	GLA3371
GLA3371-BSD1	LA399760.D	1	06/21/21	NN	n/a	n/a	GLA3371

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-5, LA72114-6, LA72114-7

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1	0.951	95	0.953	95	0	81-119/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	92%	92%	80-132%
540-36-3	1,4-Difluorobenzene	101%	101%	66-136%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3373-BS1	LA399886.D	1	06/22/21	NN	n/a	n/a	GLA3373
GLA3373-BSD1	LA399888.D	1	06/22/21	NN	n/a	n/a	GLA3373

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	50	46.0	92	45.3	91	2	79-121/6

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	88%	89%	63-139%
540-36-3	1,4-Difluorobenzene	99%	101%	52-140%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLA3374-BS1	LA399952.D	1	06/23/21	NN	n/a	n/a	GLA3374
GLA3374-BSD1	LA399954.D	1	06/23/21	NN	n/a	n/a	GLA3374

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-8, LA72114-9

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	1	0.974	97	0.970	97	0	81-119/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	95%	95%	80-132%
540-36-3	1,4-Difluorobenzene	102%	103%	66-136%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3044-BS1	LP304349.D	1	06/21/21	NN	n/a	n/a	GLP3044
GLP3044-BSD1	LP304350.D	1	06/21/21	NN	n/a	n/a	GLP3044

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-5, LA72114-6, LA72114-7

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	48.7	97	48.5	97	0	86-117/10
100-41-4	Ethylbenzene	50	50.8	102	49.8	100	2	84-116/10
108-88-3	Toluene	50	52.0	104	51.5	103	1	87-115/10
1330-20-7	Xylenes (total)	150	155	103	152	101	2	84-118/11

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
540-36-3	1,4-Difluorobenzene	101%	101%	65-139%
460-00-4	4-Bromofluorobenzene	102%	99%	54-159%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3045-BS1	LP304382.D	1	06/23/21	NN	n/a	n/a	GLP3045
GLP3045-BSD1	LP304383.D	1	06/23/21	NN	n/a	n/a	GLP3045

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-8, LA72114-9

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	50	48.1	96	48.0	96	0	86-117/10
100-41-4	Ethylbenzene	50	50.3	101	50.0	100	1	84-116/10
108-88-3	Toluene	50	50.8	102	50.8	102	0	87-115/10
1330-20-7	Xylenes (total)	150	153	102	153	102	0	84-118/11

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
540-36-3	1,4-Difluorobenzene	100%	101%	65-139%
460-00-4	4-Bromofluorobenzene	101%	100%	54-159%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GLP3046-BS2	LP304384.D	1	06/23/21	NN	n/a	n/a	GLP3046
GLP3046-BSD2	LP304385.D	1	06/23/21	NN	n/a	n/a	GLP3046

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	2500	2420	97	2420	97	0	86-117/12
100-41-4	Ethylbenzene	2500	2510	100	2460	98	2	84-118/10
108-88-3	Toluene	2500	2610	104	2580	103	1	87-116/10
1330-20-7	Xylenes (total)	7500	7630	102	7480	100	2	83-120/10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
540-36-3	1,4-Difluorobenzene	100%	101%	74-120%
460-00-4	4-Bromofluorobenzene	83%	82%	56-162%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA72122-5MS	LA399810.D	5	06/21/21	NN	n/a	n/a	GLA3371
LA72122-5MSD	LA399812.D	5	06/21/21	NN	n/a	n/a	GLA3371
LA72122-5	LA399806.D	5	06/21/21	NN	n/a	n/a	GLA3371

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-5, LA72114-6, LA72114-7

CAS No.	Compound	LA72122-5 mg/l	Spike Q mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	6.51	5	10.6	82	5	10.6	82	0	40-149/10

CAS No.	Surrogate Recoveries	MS	MSD	LA72122-5	Limits
460-00-4	4-Bromofluorobenzene	94%	93%	95%	80-132%
540-36-3	1,4-Difluorobenzene	112%	112%	113%	66-136%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA72114-1MS	LA399918.D	1	06/22/21	NN	n/a	n/a	GLA3373
LA72114-1MSD	LA399920.D	1	06/22/21	NN	n/a	n/a	GLA3373
LA72114-1	LA399892.D	1	06/22/21	NN	n/a	n/a	GLA3373

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	LA72114-1 mg/kg	Spike Q mg/kg	MS mg/kg	MS %	Spike mg/kg	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND	500	456	91	500	462	92	1	79-121/6

CAS No.	Surrogate Recoveries	MS	MSD	LA72114-1	Limits
460-00-4	4-Bromofluorobenzene	91%	91%	88%	63-139%
540-36-3	1,4-Difluorobenzene	100%	98%	102%	52-140%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA72122-4MS	LA400004.D	20	06/23/21	NN	n/a	n/a	GLA3374
LA72122-4MSD	LA400006.D	20	06/23/21	NN	n/a	n/a	GLA3374
LA72122-4	LA399982.D	1	06/23/21	NN	n/a	n/a	GLA3374

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-8, LA72114-9

CAS No.	Compound	LA72122-4 mg/l	Spike Q mg/l	MS mg/l	MS %	Spike mg/l	MSD mg/l	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	0.655	20	20.0	97	20	19.7	95	2	40-149/10

CAS No.	Surrogate Recoveries	MS	MSD	LA72122-4	Limits
460-00-4	4-Bromofluorobenzene	88%	96%	82%	80-132%
540-36-3	1,4-Difluorobenzene	99%	101%	107%	66-136%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA72122-5MS	LP304373.D	2	06/21/21	NN	n/a	n/a	GLP3044
LA72122-5MSD	LP304374.D	2	06/21/21	NN	n/a	n/a	GLP3044
LA72122-5	LP304372.D	1	06/21/21	NN	n/a	n/a	GLP3044
LA72122-5	LP304371.D	10	06/21/21	NN	n/a	n/a	GLP3044

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-5, LA72114-6, LA72114-7

CAS No.	Compound	LA72122-5 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1070 ^b	100	1070	0* ^a	100	1070	0* ^a	0	38-160/15
100-41-4	Ethylbenzene	90.8	100	182	91	100	187	96	3	53-141/14
108-88-3	Toluene	118	100	210	92	100	215	97	2	53-143/16
1330-20-7	Xylenes (total)	602	300	890	96	300	914	104	3	51-144/16

CAS No.	Surrogate Recoveries	MS	MSD	LA72122-5	LA72122-5	Limits
540-36-3	1,4-Difluorobenzene	125%	125%	159%* ^c	104%	65-139%
460-00-4	4-Bromofluorobenzene	101%	104%	102%	98%	54-159%

(a) Outside control limits due to high level in sample relative to spike amount.

(b) Result is from Run #2.

(c) Outside control limits due to matrix interference. Confirmed by reanalysis at a dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA72122-2MS	LP304405.D	20	06/24/21	NN	n/a	n/a	GLP3045
LA72122-2MSD	LP304406.D	20	06/24/21	NN	n/a	n/a	GLP3045
LA72122-2	LP304404.D	5	06/24/21	NN	n/a	n/a	GLP3045
LA72122-2 ^a	LP304403.D	10	06/24/21	NN	n/a	n/a	GLP3045

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-8, LA72114-9

CAS No.	Compound	LA72122-2 ug/l	Spike Q ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	17.4	1000	938	92	1000	923	91	2	38-160/15
100-41-4	Ethylbenzene	59.1	1000	976	92	1000	969	91	1	53-141/14
108-88-3	Toluene	49.4	1000	985	94	1000	974	92	1	53-143/16
1330-20-7	Xylenes (total)	20.9	3000	2790	92	3000	2790	92	0	51-144/16

CAS No.	Surrogate Recoveries	MS	MSD	LA72122-2	LA72122-2	Limits
540-36-3	1,4-Difluorobenzene	106%	106%	134%	111%	65-139%
460-00-4	4-Bromofluorobenzene	106%	110%	191%* b	120%	54-159%

(a) Confirmation run for surrogate recoveries.

(b) Outside control limits due to matrix interference. Confirmed by reanalysis at a dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
LA72114-4MS	LP304407.D	1	06/24/21	NN	n/a	n/a	GLP3046
LA72114-4MSD	LP304408.D	1	06/24/21	NN	n/a	n/a	GLP3046
LA72114-4	LP304399.D	1	06/23/21	NN	n/a	n/a	GLP3046

The QC reported here applies to the following samples:

Method: SW846 8021B

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	LA72114-4 ug/kg	Spike Q ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND	23600	21900	93	23600	22300	95	2	53-140/18
100-41-4	Ethylbenzene	ND	23600	23400	99	23600	23400	99	0	37-162/14
108-88-3	Toluene	ND	23600	23700	100	23600	23800	101	0	54-147/13
1330-20-7	Xylenes (total)	ND	70800	70600	100	70800	71100	100	1	35-164/16

CAS No.	Surrogate Recoveries	MS	MSD	LA72114-4	Limits
540-36-3	1,4-Difluorobenzene	102%	101%	104%	74-120%
460-00-4	4-Bromofluorobenzene	104%	102%	83%	56-162%

* = Outside of Control Limits.

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18830-MB	LG009026.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	ND	5.0	mg/kg	
	TPH-ORO (C28-C35)	ND	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	75% 31-127%

7.1.1
7

Method Blank Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18839-MB	GLH032245.D 1		06/24/21	PC	06/23/21	OP18839	GLH747

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-5, LA72114-6, LA72114-8, LA72114-9

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	0.0383	0.056	mg/l	J
	TPH-ORO (C28-C35)	ND	0.056	mg/l	

CAS No.	Surrogate Recoveries	Limits
84-15-1	o-Terphenyl	98% 40-118%

7.1.2
7

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18830-BS1	LG009027.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115
OP18830-BSD1	LG009028.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	150	119	79	117	78	2	49-118/19

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	89%	84%	31-127%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18830-BS2	LG009029.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115
OP18830-BSD2	LG009162.D	1	06/29/21	PC	06/22/21	OP18830	GLG1119

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	BSD mg/kg	BSD %	RPD	Limits Rec/RPD
	TPH-ORO (C28-C35)	59.7	38.3	64	33.6	56	13	52-102/16

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	78%	73%	31-127%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18839-BS1	GLH032246.D 1		06/24/21	PC	06/23/21	OP18839	GLH747
OP18839-BSD1	GLH032247.D 1		06/24/21	PC	06/23/21	OP18839	GLH747

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-5, LA72114-6, LA72114-8, LA72114-9

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-DRO (C10-C28)	11	8.85	80	9.36	86	6	72-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	94%	98%	40-118%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18839-BS2	GLH032248.D 1		06/24/21	PC	06/23/21	OP18839	GLH747
OP18839-BSD2	GLH032249.D 1		06/24/21	PC	06/23/21	OP18839	GLH747

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-5, LA72114-6, LA72114-8, LA72114-9

CAS No.	Compound	Spike mg/l	BSP mg/l	BSP %	BSD mg/l	BSD %	RPD	Limits Rec/RPD
	TPH-ORO (C28-C35)	4.37	3.66	84	3.81	87	4	60-112/18

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	95%	93%	40-118%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18830-MS1	LG009031.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115
LA72028-57	LG009033.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	LA72028-57 Spike mg/kg	Q	MS mg/kg	MS %	Limits
	TPH-DRO (C10-C28)	7.72		149	104	65 23-150

CAS No.	Surrogate Recoveries	MS	LA72028-57	Limits
84-15-1	o-Terphenyl	75%	66%	31-127%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: LA72114
Account: PPMLAM PPM Consultants
Project: Ouachita Candy-Monroe, LA

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP18830-MS2	LG009032.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115
LA72028-57	LG009033.D	1	06/23/21	PC	06/22/21	OP18830	GLG1115

The QC reported here applies to the following samples:

Method: SW846 8015C

LA72114-1, LA72114-2, LA72114-3, LA72114-4

CAS No.	Compound	LA72028-57 mg/kg	Spike Q	MS mg/kg	MS %	Limits
	TPH-ORO (C28-C35)	1.22	60	25.4	40	16-142

CAS No.	Surrogate Recoveries	MS	LA72028-57	Limits
84-15-1	o-Terphenyl	55%	66%	31-127%

* = Outside of Control Limits.

APPENDIX E – RECAP FORMS

**RECAP FORM 15
SCREENING OPTION SUBMITTAL FOR GROUNDWATER**

GROUNDWATER - Identification of the SO SS

COC	GW _{SS}
TPH-DRO	0.15
Benzo(a)pyrene	0.0002

NOTE: Use the FORMAT CELL command to show less than (<) values.

GROUNDWATER - Compliance Concentration:

COC	Compliance Concentration
TPH-DRO	0.176
Benzo(a)pyrene	<0.00022

SO GROUNDWATER RECAP ASSESSMENT:

COC	GW _{SS}	Compliance Concentration	CC Exceeds SS?
<u>TPH-DRO</u>	<u>0.150</u>	<u>0.176</u>	<u>Yes</u>
<u>Benzo(a)pyrene</u>	<u>0.0002</u>	<u><0.00022</u>	<u>Yes</u>

**RECAP FORM 16
MANAGEMENT OPTION 1 SUBMITTAL FOR GROUNDWATER**

GROUNDWATER - Identification of the Limiting MO-1RS:

COC	GW3DW	DF3	Final GW3DW	NO GWes	Additivity Divisor	Final GW _{es}	NO GWair	Additivity Divisor	Final GW _{air}	Water _{SOL}	Limiting MO-1 RS
TPH-DRO	1.005	1.5	1.5	NA	NA	NA	NA	NA	NA	NA	1.5
Benzo(a)pyrene	0.0002	1.5	0.0003	NA	NA	NA	NA	NA	NA	0.0016	0.0003

NOTE: Use the FORMAT CELL command to show less than (<) values.

GROUNDWATER - Compliance Concentration:

COC	Compliance Concentration
TPH-DRO	0.176
Benzo(a)pyrene	<0.00022

MO-1 GROUNDWATER RECAP ASSESSMENT:

COC	Limiting MO-1 RS	Compliance Concentration	CC Exceeds MO-1 LRS?
<u>TPH-DRO</u>	<u>1.5</u>	<u>0.176</u>	<u>No</u>
<u>Benzo(a)pyrene</u>	<u>0.0003</u>	<u><0.00022</u>	<u>No</u>

APPENDIX F - ASBESTOS INSPECTION REPORT

ASBESTOS INSPECTION REPORT

Ouachita Candy
Company
211-305 Walnut St.
Monroe, LA 71201



12 July 2021

ASBESTOS INSPECTION REPORT

Ouachita Candy Company
211 - 305 Walnut Street
Monroe, LA 71220

Prepared By:

Mary Cooper, Asbestos Inspector
LDEQ Accreditation No. MI192256

Date of Inspection: June 15-29, 2019



Kadie Wheat, Asbestos Inspector

PAC Environmental Specialists, LLC
1011 Hwy 139
PO Box 689
Swartz, LA 71281
(318) 345-0889

Report Date:

Monday, July 12, 2021

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INTRODUCTION

This report summarizes Asbestos Containing Materials (ACM) findings for the location in question (Vacant commercial building located at 211 - 305 Walnut St., Monroe, LA). The findings are based on existing conditions at the time of the inspection, which was performed July 15-29, 2021.

Samples were collected from each homogenous area that could be safely accessed. **Flea infestation is the worst in Building 2. No measurements were taken in Building 2 and the 2nd floor was not accessed to limit time for inspectors on site in order to reduce risks from flea infestation. 2nd floor of Building 3 was not accessed due to unsafe conditions (holes in floor). Roofing materials were not accessible and were not sampled. Roofing materials are excluded from this inspection. A change order may be added for equipment to be used to access the roofing materials at a later date.** Laboratory Analysis was performed by Eurofins/CEI Labs in accordance with US Environmental Protection Agency (EPA) and Louisiana Department of Environmental Quality (LDEQ) accreditation requirements and methodologies.

The inspection and laboratory analysis **does** indicate asbestos in the suspected areas sampled at 211 - 305 Walnut St., Monroe, LA. **ALL HVAC INSULATION AND COMPONENTS ARE PACBM in addition to confirmed ACM from sampling.**

SUMMARY OF FINDINGS

211 - 305 Walnut St.: ACM was detected in the suspected samples collected at the former school.

***NOTE:** (ACM) = Asbestos Containing Materials

CONSIDERATIONS

The Louisiana Air Quality Regulations (LAC 33:111.5151, subchapter M) require written notification of all demolition activities. LDEQ form AAC-2 must be completed for each structure and forwarded to LDEQ prior to demolition activities. Amplifying information can be obtained at www.deq.state.la.us

APPENDIX A: DATA SHEETS

FIGURE

A

SITE MAP

LOCATION:

Ouachita Candy Company
211 - 305 Walnut St.
Monroe, LA

BUILDING NUMBERS

ASBESTOS INSPECTION

DATE: 6/15-29/2021

PAC
Environmental
Specialists

1011 Hwy 139, Monroe, LA
318-345-0889

DATE:

7/8/2021

DRAWN BY:

MEC

SCALE:

NTS



**Ouachita Candy Company
Asbestos Inspection
Samples Collected 6/15-29/21**

Red= Asbestos Containing Material (ACM) Blue= Non ACM
Green= Materials that Contain <1% Asbestos

Location	Structure Code	Sample ID	Description of Material	Friable Y/N	Asbestos %	Sample Date
Building 1	B1	B1-01-01	White Ceiling Sheetrock	Y	ND	6/15/2021
Building 1	B1	B1-01-02	White Ceiling Sheetrock	Y	ND	6/15/2021
Building 1	B1	B1-01-03	White Ceiling Sheetrock	Y	ND	6/15/2021
Building 1	B1	B1-02-01	Wallboard	Y	ND	6/15/2021
Building 1	B1	B1-02-02	Wallboard	Y	ND	6/15/2021
Building 1	B1	B1-02-03	Wallboard	Y	ND	6/15/2021
Building 1	B1	B1-03-01	Wall Sheetrock	Y	ND	6/15/2021
Building 1	B1	B1-03-02	Wall Sheetrock	Y	ND	6/15/2021
Building 1	B1	B1-03-03	Wall Sheetrock	Y	ND	6/15/2021
Building 1	B1	B1-04-01	Tan Flooring and Tan Mastic	N	ND	6/15/2021
Building 1	B1	B1-04-02	Tan Flooring and Tan Mastic	N	ND	6/15/2021
Building 1	B1	B1-04-03	Tan Flooring and Tan Mastic	N	ND	6/15/2021
Building 1	B1	B1-05-01	Gray Mortar	Y	ND	6/15/2021
Building 1	B1	B1-05-02	Gray Mortar	Y	ND	6/15/2021
Building 1	B1	B1-05-03	Gray Mortar	Y	ND	6/15/2021
Building 1	B1	B1-06-01	Beige Plaster	Y	Chrysotile <1%	6/15/2021
Building 1	B1	B1-06-02	Beige Plaster	Y	Chrysotile <1%	6/15/2021
Building 1	B1	B1-06-03	Beige Plaster	Y	Chrysotile <1%	6/15/2021
Building 2	B2	B2-01 A	Brown Floor Tile	N	Chrysotile 5%	6/29/2021
Building 2	B2	B2-01 B	Black Mastic	N	Chrysotile 3%	6/29/2021
Building 2	B2	B2-02 A	Green Sheet Flooring	N	Chrysotile 25%	6/29/2021
Building 2	B2	B2-02 B	Yellow Mastic	N	Chrysotile 3%	6/29/2021
Building 2	B2	B2-03	White Sheetrock	Y	ND	6/29/2021
Building 2	B2	B2-04 A	Ceiling Tile	Y	ND	6/29/2021
Building 2	B2	B2-04 B	Adhesive	N	Chrysotile 3%	6/29/2021
Building 3	B3	B3-01 Layer 1	White HVAC Insulation	Y	Chrysotile 65%	6/29/2021
Building 3	B3	B3-01 Layer 2	Tan HVAC Insulation	Y	ND	6/29/2021
Building 3	B3	B3-02	Tan/Black HVAC Joint Cloth	Y	ND	6/29/2021
Building 3	B3	B3-03	White/Cream Window Caulking	Y	ND	6/29/2021
Building 3	B3	B3-04	White Surface Material	Y	ND	6/29/2021
Building 3	B3	B3-05 A	Cream/Black Acoustic Tile	Y	ND	6/29/2021
Building 3	B3	B3-05 B	Brown Mastic	N	ND	6/29/2021
Building 3	B3	B3-06 A	Cream/Brown Ceiling Tile	Y	ND	6/29/2021
Building 3	B3	B3-06 B	Brown Mastic	N	ND	6/29/2021
Building 3	B3	B3-07	Beige Plaster	Y	ND	6/29/2021
Building 3	B3	B3-08 Layer 1	Cream Texture	Y	Chrysotile 2%	6/29/2021
Building 3	B3	B3-08 Layer 2	White Sheetrock	Y	ND	6/29/2021
Building 3	B3	B3-09 A	Green Floor Tile	N	Chrysotile 5%	6/29/2021
Building 3	B3	B3-09 B	Black Mastic	N	Chrysotile 3%	6/29/2021
Building 3	B3	B3-10 A	Dark Brown Floor Tile	N	Chrysotile 3%	6/29/2021
Building 3	B3	B3-10 B	Black Mastic	N	ND	6/29/2021
Building 3	B3	B3-11	Cream Insulation	Y	ND	6/29/2021
Building 3	B3	B3-12 A	Cream/Brown Ceiling Tile	Y	ND	6/29/2021
Building 3	B3	B3-12 B	Brown Mastic	N	Chrysotile 5%	6/29/2021

APPENDIX B: SAMPLE LOCATION DIAGRAMS & PICTURES

PAC Environmental Specialists, LLC
Commercial Building
211-305 Walnut St.
Inspection Date: 06/15/2021

Asbestos Inspection
Kadie Romano Wheat
LDEQ Cert # MI192255
Building 1



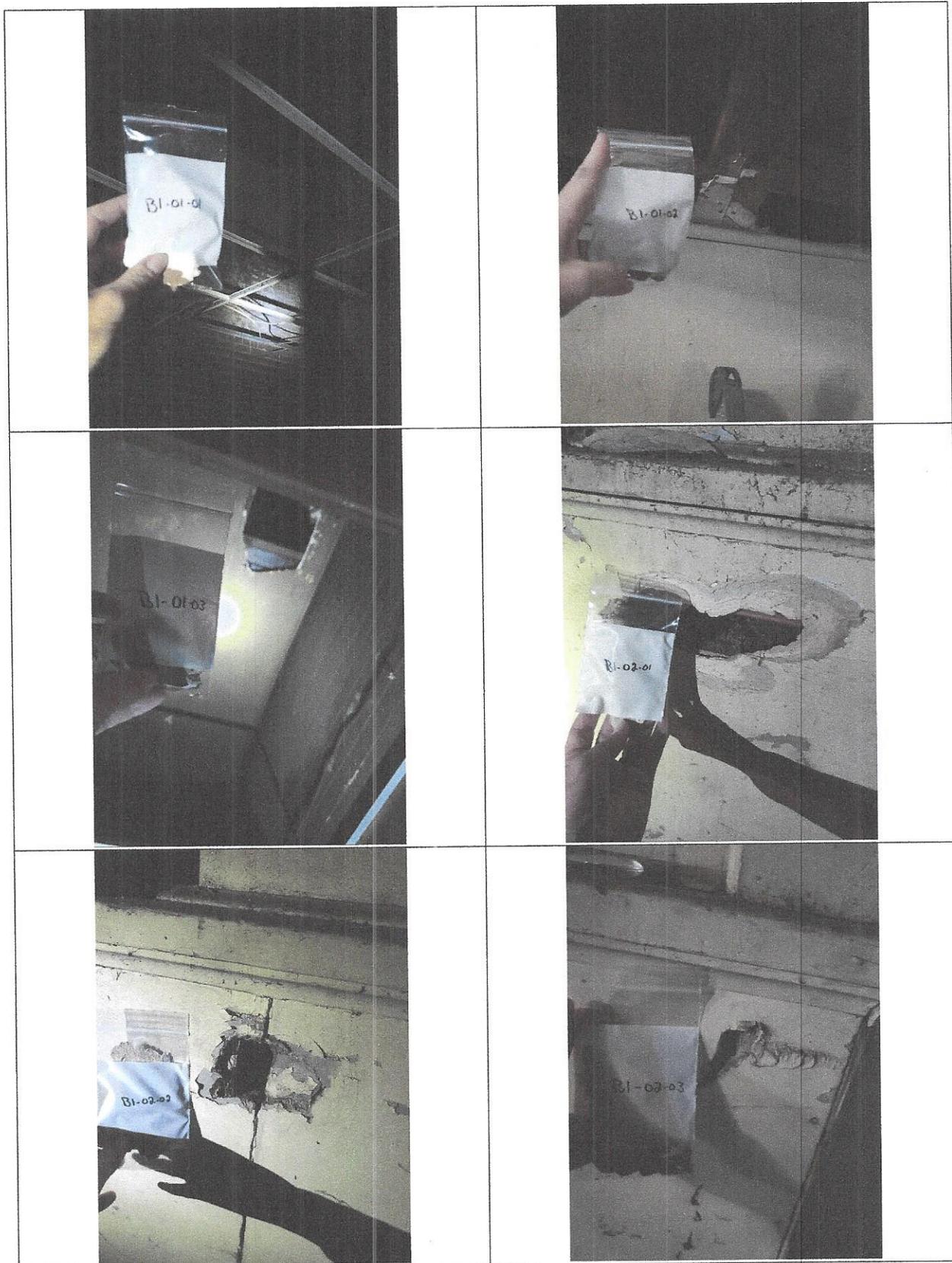
Sample Locations Diagram

Red Font= Asbestos-Containing Material (ACM)

Not to Scale



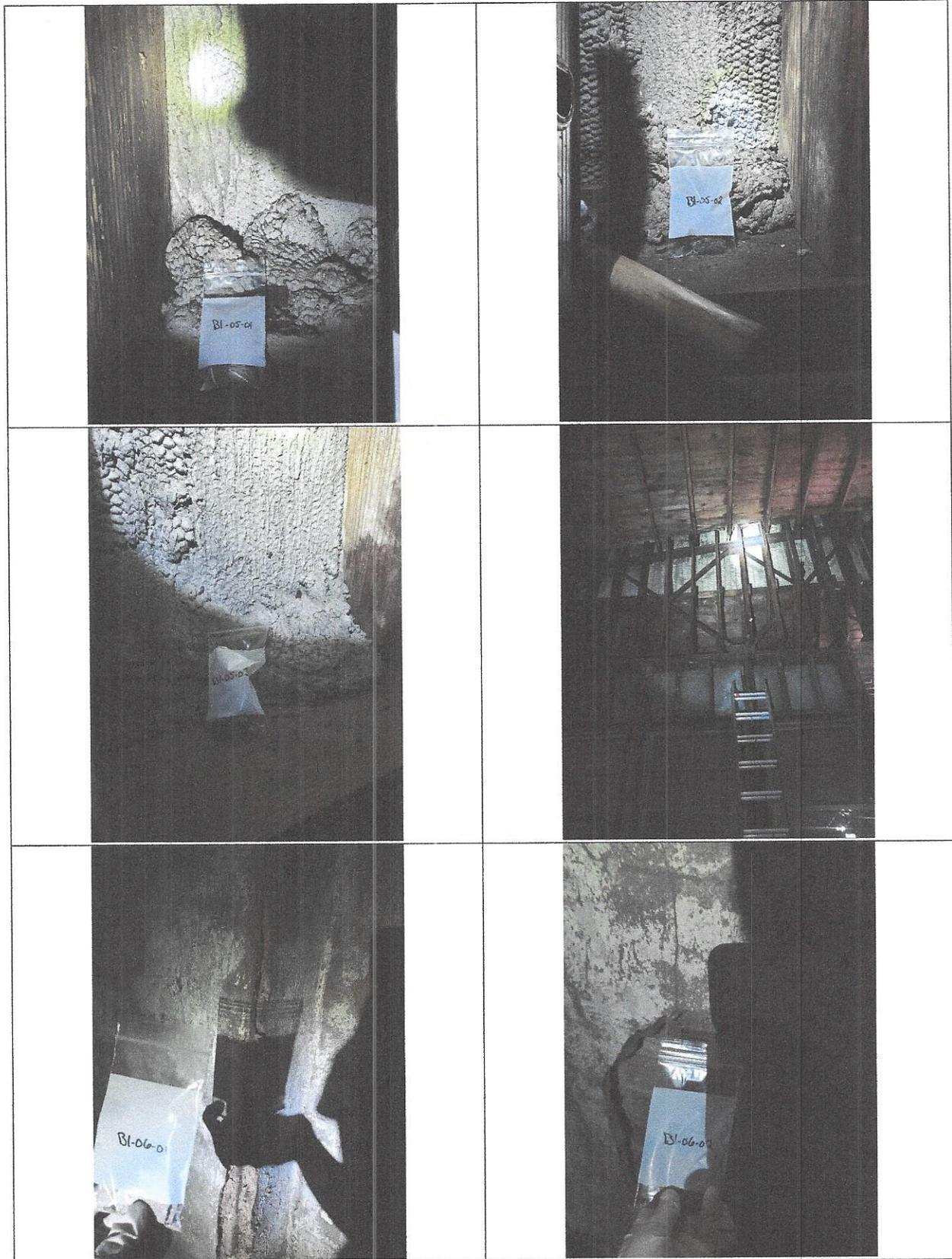
Ouachita Candy- Building 1 Photographs



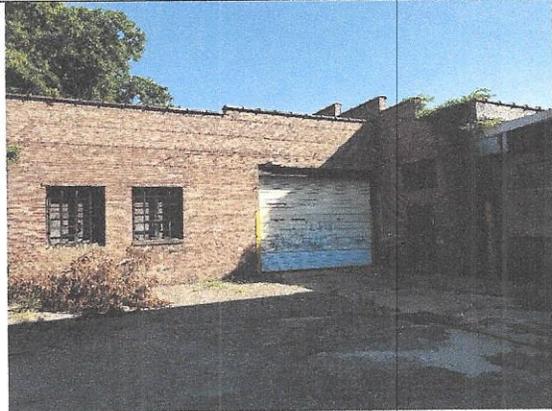
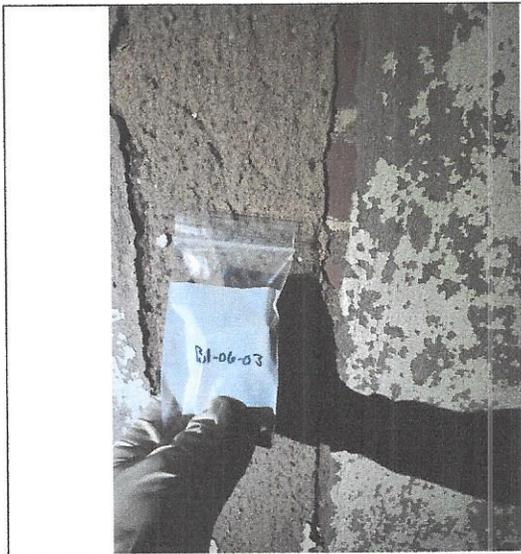
Ouachita Candy- Building 1 Photographs



Ouachita Candy- Building 1 Photographs



Ouachita Candy- Building 1 Photographs



PAC Environmental Specialists, LLC
Commercial Building
211-305 Walnut St.
Inspection Date: 06/29/2021

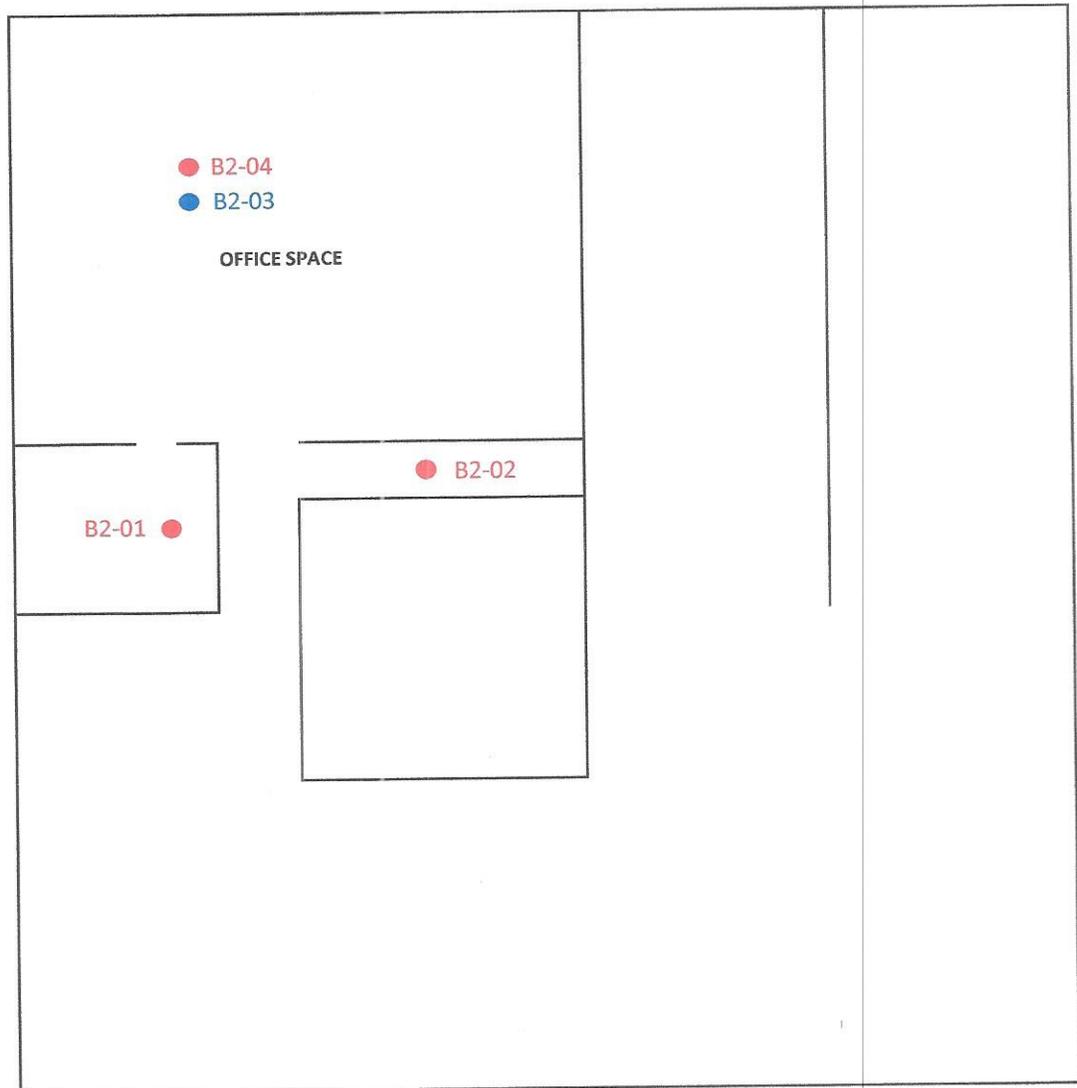
Asbestos Inspection
Kadie Romano Wheat
LDEQ Cert # MI192255
Building 2



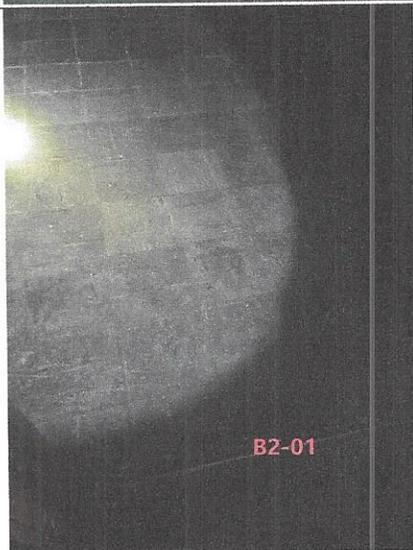
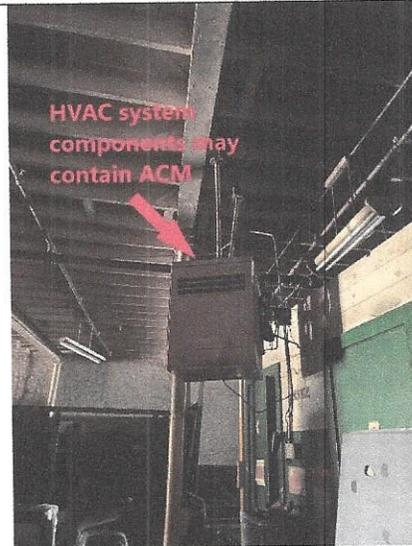
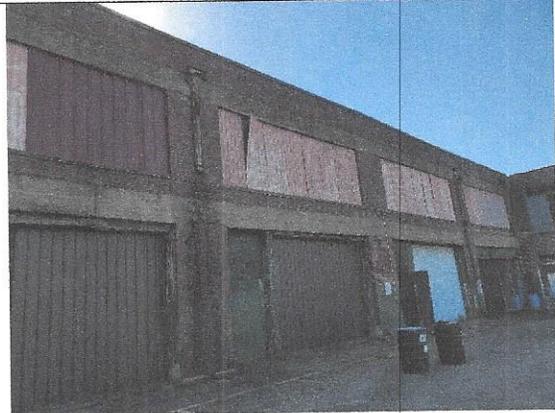
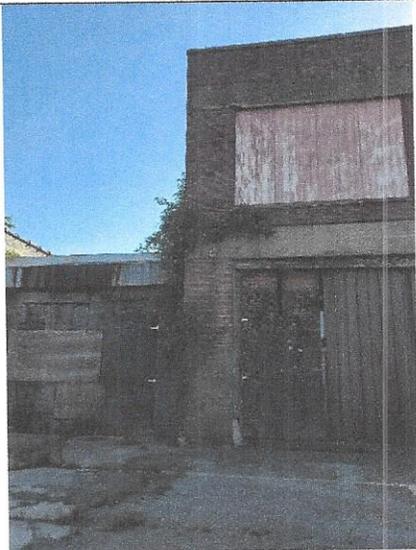
Sample Locations Diagram

Red Font= Asbestos-Containing Material (ACM)

Not to Scale



Ouachita Candy- Building 2 Photographs

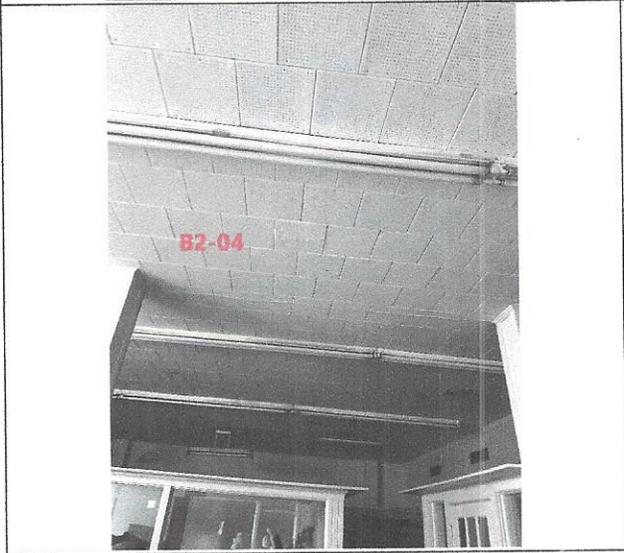
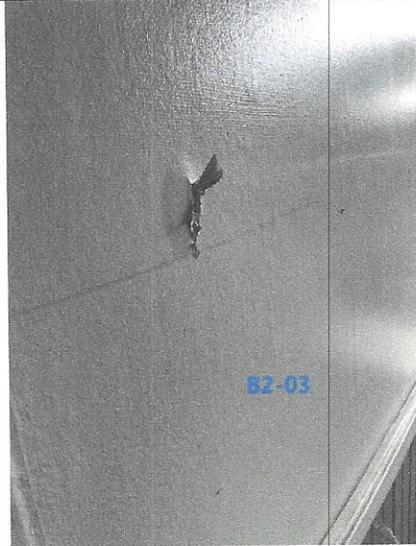
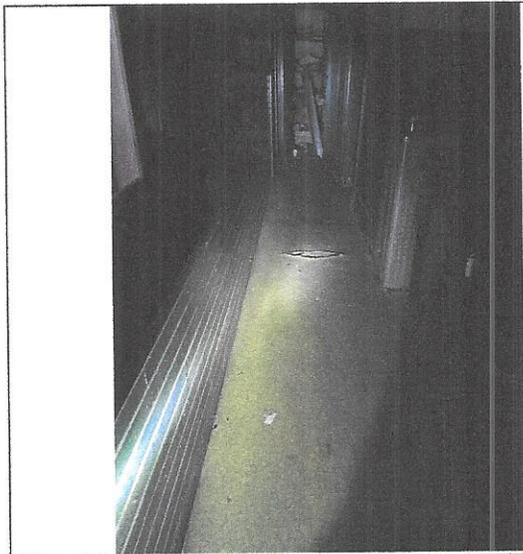


B2-01



B2-02

Ouachita Candy- Building 2 Photographs



PAC Environmental Specialists, LLC
Commercial Building
211-305 Walnut St.
Inspection Date: 06/29/2021

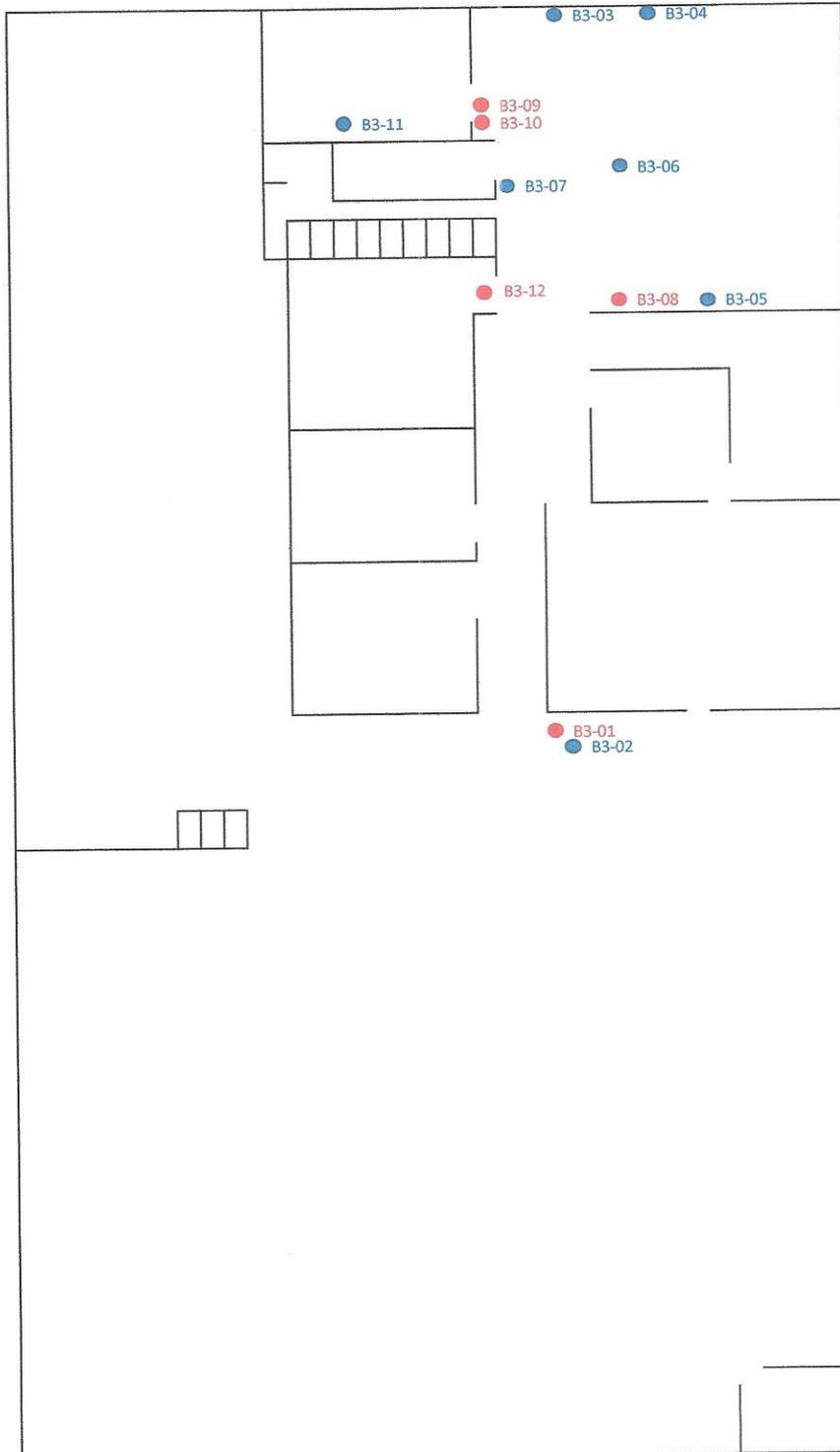
Asbestos Inspection
Kadie Romano Wheat
LDEQ Cert # MI192255
Building 3 First Floor



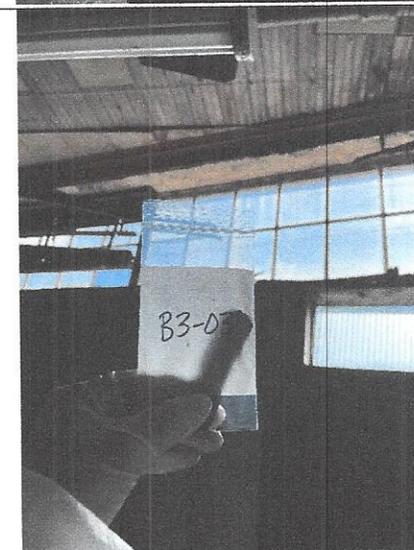
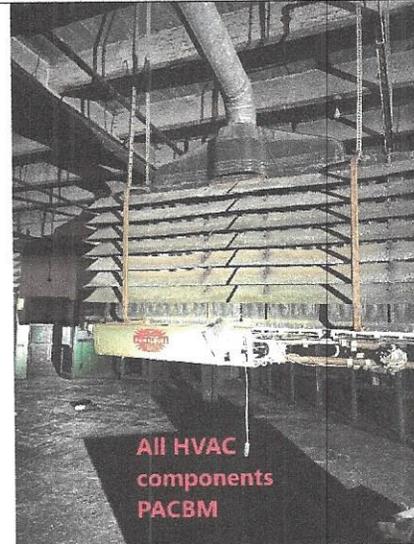
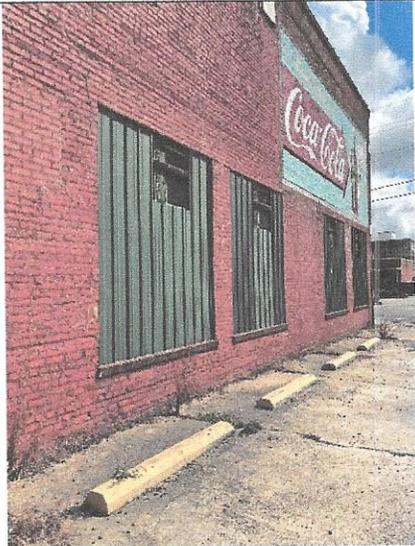
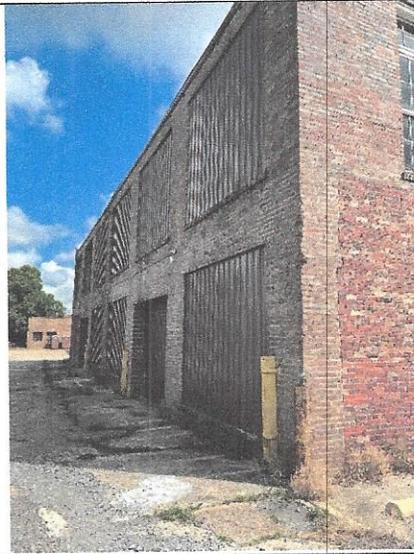
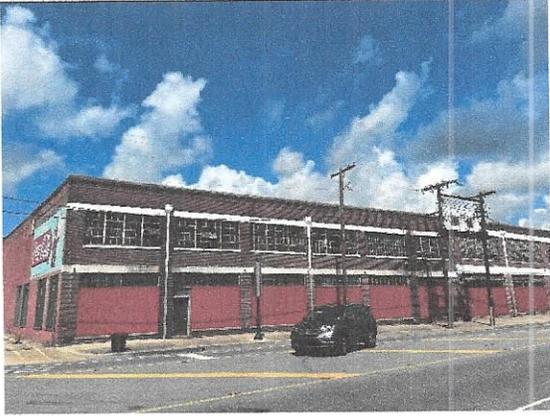
Sample Locations Diagram

Red Font= Asbestos-Containing Material (ACM)

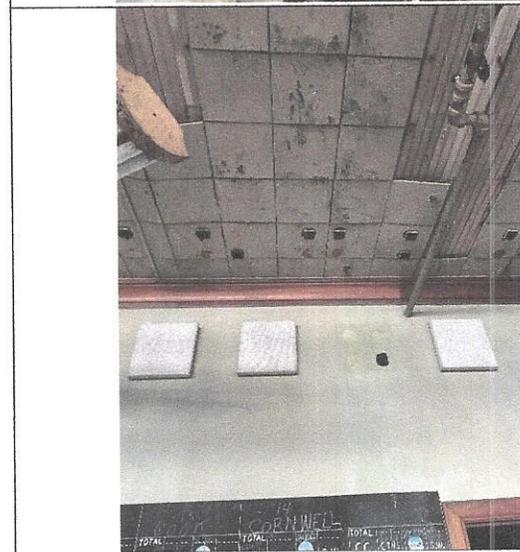
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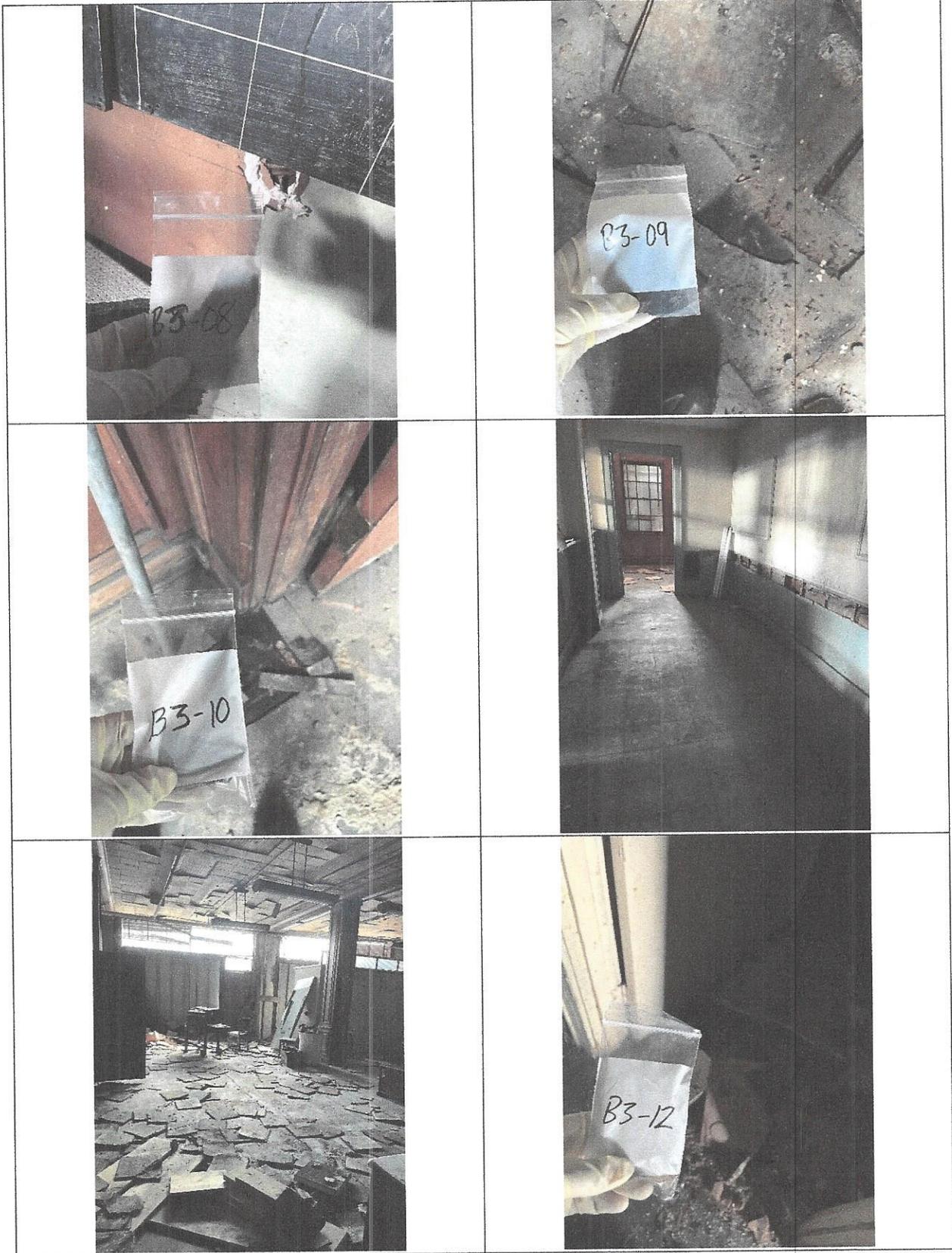
Ouachita Candy- Building 3 Photographs



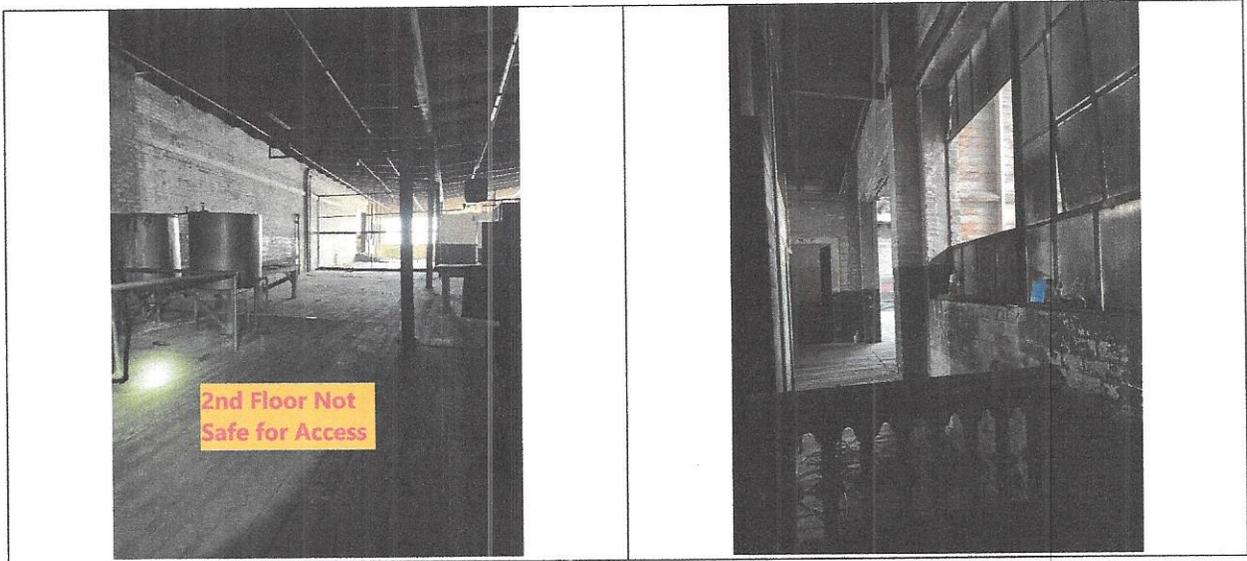
Ouachita Candy- Building 3 Photographs



Ouachita Candy- Building 3 Photographs



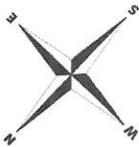
Ouachita Candy- Building 3 Photographs



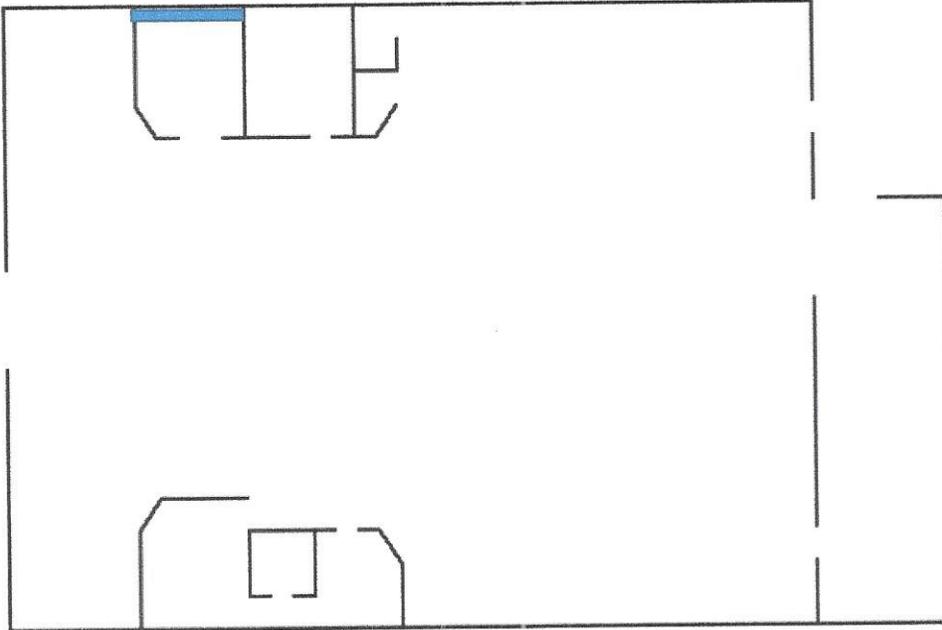
APPENDIX C: HOMOGENEOUS AREA SUMMARY & DIAGRAMS

Ouachita Candy Company
Asbestos Inspection
ACM Homogeneous Areas Summary Table
6/15-29/2021

Building 1		
Floor	Flooring Materials	TSI Materials
1	NO ACM	NO ACM
		NO ACM
Building 2		
Floor	Flooring Materials	TSI Materials
1	HA-2-01 Brown 9x9 Floor Tile and Adhesive HA-2-02 Green Sheet Flooring and Adhesive	NO ACM
		HA-2-03 Ceiling Tile Adhesive
Building 3		
Floor	Flooring Materials	TSI Materials
1	HA-3-03 Green Floor Tile and Adhesive and Dark Brown Floor Tile Underneath	HA-3-01 White HVAC Insulation
		HA-3-02 Cream Wall Texture HA-3-04 Brown Ceiling Tile Adhesive



WALNUT ST.



Material is <1% Asbestos

LEGEND

Homogeneous Areas

HA-01-01 Beige Plaster



1011 Hwy 139
Monroe, LA 71203

Date:

7/9/2021

Drawn by:

MEC

Scale

NTS

OUACHITA CANDY COMPANY
211 - 305 WALNUT STREET
MONROE, LOUISIANA

Building 1
Miscellaneous Material

Figure
Number

1



WALNUT ST.



LEGEND

Homogeneous Areas

HA-2-01 Bown 9x9 Floor Tile and Adhesive

HA-2-02 Green Sheet Flooring and Adhesive

RIVER SIDE



1011 Hwy 139
Monroe, LA 71203

Date:

7/9/2021

Drawn by:

MEC

Scale

NTS

OUACHITA CANDY COMPANY
211 - 305 WALNUT STREET
MONROE, LOUISIANA

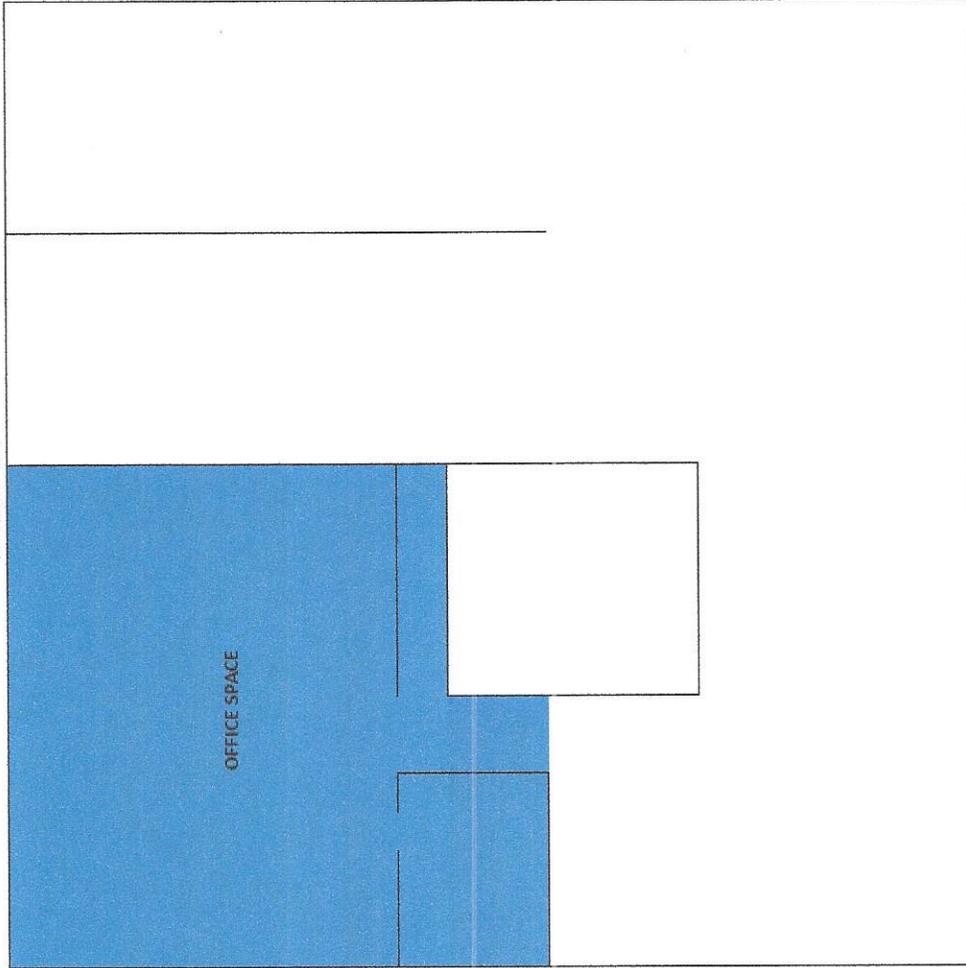
**Building 2
Flooring**

Figure
Number

2



WALNUT ST.



LEGEND

Homogeneous Areas

HA-2-03 Ceiling Tile Adhesive



RIVER SIDE



1011 Hwy 139
Monroe, LA 71203

Date:

7/9/2021

Drawn by:

MEC

Scale

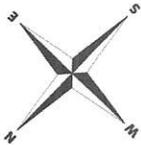
NTS

OUACHITA CANDY COMPANY
211 - 305 WALNUT STREET
MONROE, LOUISIANA

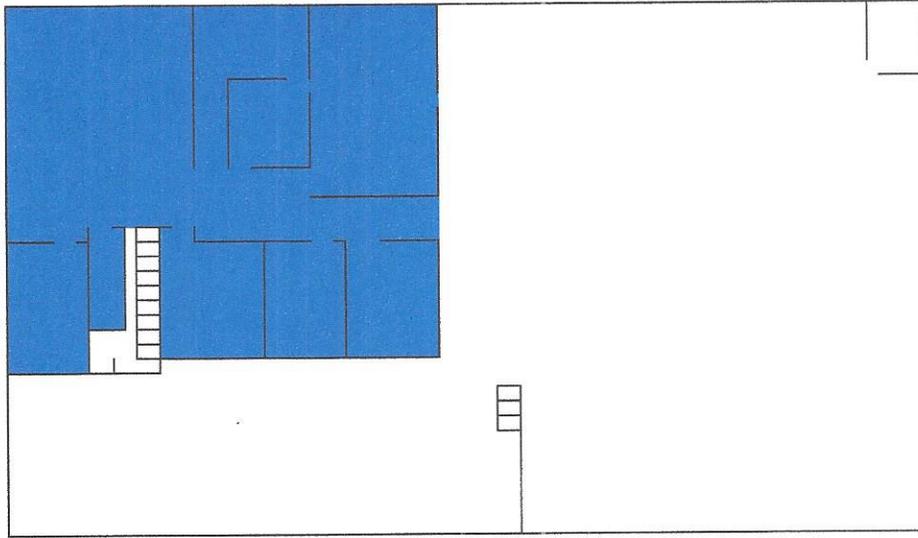
Building 2
Miscellaneous

Figure
Number

3



WALNUT ST.



RIVER SIDE

LEGEND

Homogeneous Areas

HA-3-03 Green Floor Tile and
Adhesive and Dark Brown Floor Tile
Underneath



Date:

7/9/2021

Drawn by: Scale

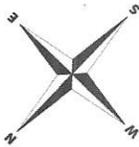
MEC NTS

**Building 3
First Floor
Flooring**

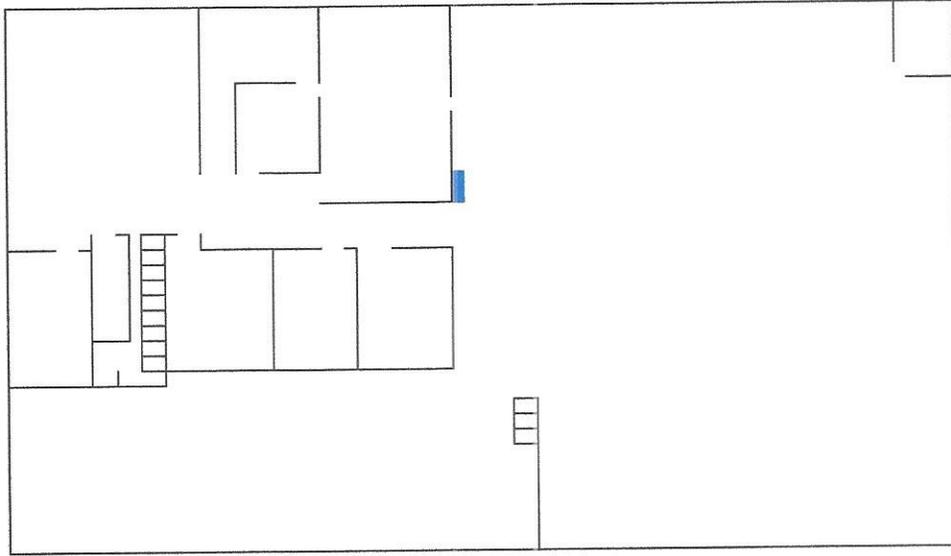
OUACHITA CANDY COMPANY
211 - 305 WALNUT STREET
MONROE, LOUISIANA

Figure
Number
4

PAC
Environmental
Specialists
1011 Hwy 139
Monroe, LA 71203



WALNUT ST.



LEGEND

Homogeneous Areas



HA-3-01 White HVAC Insulation

ALL HVAC INSULATION IS PACBM

RIVER SIDE



1011 Hwy 139
Monroe, LA 71203

Date:

7/9/2021

Drawn by:

MEC

Scale

NTS

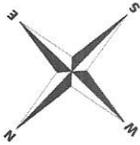
OUACHITA CANDY COMPANY

211 - 305 WALNUT STREET
MONROE, LOUISIANA

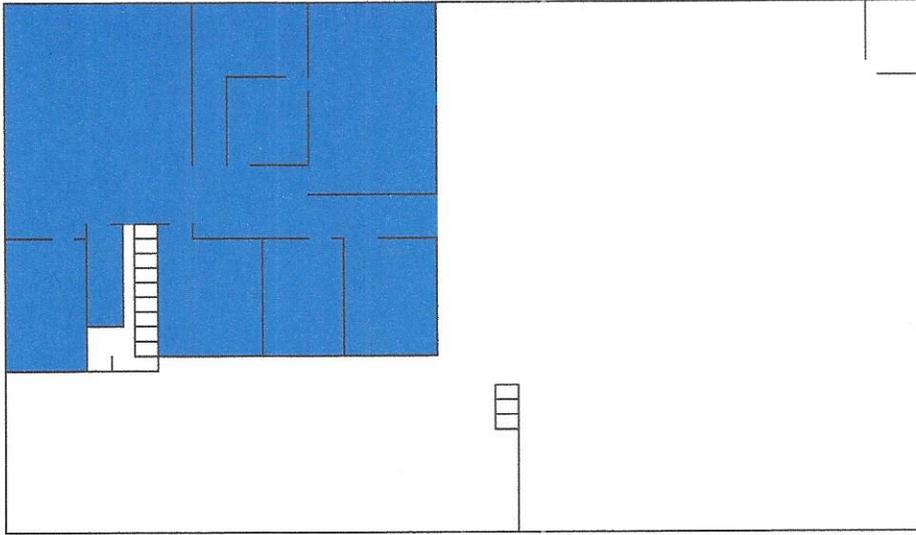
Building 3
First Floor
TSI

Figure
Number

5



WALNUT ST.



RIVER SIDE

LEGEND

Homogeneous Areas



HA-3-04 Brown Ceiling Tile Adhesive



1011 Hwy 139
Monroe, LA 71203

Date:

7/9/2021

Drawn by:

MEC

Scale

NTS

OUACHITA CANDY COMPANY
211 - 305 WALNUT STREET
MONROE, LOUISIANA

Building 3
First Floor
Miscellaneous

Figure
Number

6

APPENDIX D: LABORATORY ANALYSIS & CHAIN OF CUSTODY

July 2, 2021

PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

CLIENT PROJECT: 211-305 Walnut St. - Building 1, 21231
CEI LAB CODE: B215286

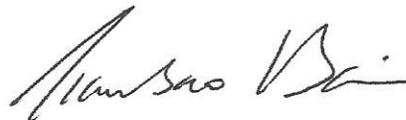
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 30, 2021. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

PAC ENVIRONMENTAL SPECIALISTS

CLIENT PROJECT: 211-305 Walnut St. - Building 1, 21231

LAB CODE: B215286

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/02/21

TOTAL SAMPLES ANALYZED: 18

SAMPLES >1% ASBESTOS:



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 211-305 Walnut St. - Building 1, 21231

LAB CODE: B215286

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B1-01-01		B87723	White	Ceiling Sheetrock	None Detected
B1-01-02		B87724	White	Ceiling Sheetrock	None Detected
B1-01-03		B87725	White	Ceiling Sheetrock	None Detected
B1-02-01		B87726	Cream	Wallboard	None Detected
B1-02-02		B87727	Cream	Wallboard	None Detected
B1-02-03		B87728	Cream	Wallboard	None Detected
B1-03-01		B87729	White	Wall Sheetrock	None Detected
B1-03-02		B87730	White	Wall Sheetrock	None Detected
B1-03-03		B87731	White	Wall Sheetrock	None Detected
B1-04-01		B87732A	Tan	Flooring	None Detected
		B87732B	Tan	Mastic	None Detected
B1-04-02		B87733A	Tan	Flooring	None Detected
		B87733B	Tan	Mastic	None Detected
B1-04-03		B87734A	Tan	Flooring	None Detected
		B87734B	Tan	Mastic	None Detected
B1-05-01		B87735	Gray	Mortar	None Detected
B1-05-02		B87736	Gray	Mortar	None Detected
B1-05-03		B87737	Gray	Mortar	None Detected
B1-06-01		B87738	Beige	Plaster	Chrysotile <1%
B1-06-02		B87739	Beige	Plaster	Chrysotile <1%
B1-06-03		B87740	Beige	Plaster	Chrysotile <1%



CEI

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

Lab Code: B215286
Date Received: 06-30-21
Date Analyzed: 07-02-21
Date Reported: 07-02-21

Project: 211-305 Walnut St. - Building 1, 21231

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
B1-01-01 B87723	Ceiling Sheetrock	Heterogeneous White Fibrous Bound	10%	Cellulose	2% 88%	Paint Gypsum	None Detected
B1-01-02 B87724	Ceiling Sheetrock	Heterogeneous White Fibrous Bound	10%	Cellulose	2% 88%	Paint Gypsum	None Detected
B1-01-03 B87725	Ceiling Sheetrock	Heterogeneous White Fibrous Bound	10%	Cellulose	2% 88%	Paint Gypsum	None Detected
B1-02-01 B87726	Wallboard	Heterogeneous Cream Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
B1-02-02 B87727	Wallboard	Heterogeneous Cream Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
B1-02-03 B87728	Wallboard	Heterogeneous Cream Fibrous Bound	95%	Cellulose	5%	Paint	None Detected
B1-03-01 B87729	Wall Sheetrock	Heterogeneous White Fibrous Bound	10%	Cellulose	2% 88%	Paint Gypsum	None Detected

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

Lab Code: B215286
Date Received: 06-30-21
Date Analyzed: 07-02-21
Date Reported: 07-02-21

Project: 211-305 Walnut St. - Building 1, 21231

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
B1-03-02 B87730	Wall Sheetrock	Heterogeneous White Fibrous Bound	10%	Cellulose	2%	Paint	None Detected
					88%	Gypsum	
B1-03-03 B87731	Wall Sheetrock	Heterogeneous White Fibrous Bound	10%	Cellulose	2%	Paint	None Detected
					88%	Gypsum	
B1-04-01 B87732A	Flooring	Heterogeneous Tan Fibrous Bound	30%	Cellulose	35%	Vinyl	None Detected
					15%	Binder	
B87732B	Mastic	Homogeneous Tan Fibrous Bound	2%	Cellulose	60%	Mastic	None Detected
					38%	Calc Carb	
B1-04-02 B87733A	Flooring	Heterogeneous Tan Fibrous Bound	30%	Cellulose	35%	Vinyl	None Detected
					15%	Binder	
B87733B	Mastic	Homogeneous Tan Fibrous Bound	2%	Cellulose	60%	Mastic	None Detected
					38%	Calc Carb	
B1-04-03 B87734A	Flooring	Heterogeneous Tan Fibrous Bound	30%	Cellulose	35%	Vinyl	None Detected
					15%	Binder	
				20%	Tar		



CEI

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

Lab Code: B215286
Date Received: 06-30-21
Date Analyzed: 07-02-21
Date Reported: 07-02-21

Project: 211-305 Walnut St. - Building 1, 21231

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous		Non-Fibrous		
B87734B	Mastic	Homogeneous Tan Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected
B1-05-01 B87735	Mortar	Heterogeneous Gray Non-fibrous Tightly Bound			60% 40%	Binder Silicates	None Detected
B1-05-02 B87736	Mortar	Heterogeneous Gray Non-fibrous Tightly Bound			60% 40%	Binder Silicates	None Detected
B1-05-03 B87737	Mortar	Heterogeneous Gray Non-fibrous Tightly Bound			60% 40%	Binder Silicates	None Detected
B1-06-01 B87738	Plaster	Heterogeneous Beige Fibrous Bound	<1% <1%	Cellulose Hair	2% 60% 38%	Paint Binder Silicates	<1% Chrysotile
B1-06-02 B87739	Plaster	Heterogeneous Beige Fibrous Bound	<1% <1%	Cellulose Hair	2% 60% 38%	Paint Binder Silicates	<1% Chrysotile
B1-06-03 B87740	Plaster	Heterogeneous Beige Fibrous Bound	<1% <1%	Cellulose Hair	2% 60% 38%	Paint Binder Silicates	<1% Chrysotile

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

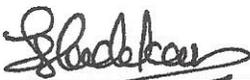
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

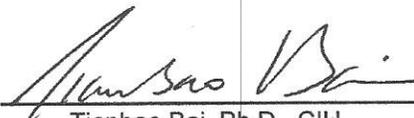
REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST: 
Shripa Ladekar

APPROVED BY: 
Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	0215286
CEI Lab I.D. Range:	087723-087740

18

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #: 24123	Job Contact: Miranda Wilson
Company: PAC Environmental Specialists, LLC	Email / Tel: miranda@pacenvironmental.com
Address: PO Box 689 Swartz, LA 71281	Project Name: 211-305 Walnut St. - Building 1
Email: miranda@pacenvironmental.com	Project ID#: 21231
Tel: 318-345-0889 Fax: 318-345-0859	PO #: 21231
	STATE SAMPLES COLLECTED IN: LA

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>Kh VLA</i>	6-29-21 / 12:39	<i>SMR</i>	6/30 9:40

Samples will be disposed of 30 days after analysis



SAMPLING FORM

CEI

6215286

COMPANY CONTACT INFORMATION	
Company: PAC Environmental Specialists, LLC	Job Contact: Miranda Wilson
Project Name: 211-305 Walnut St. - Building 1	
Project ID #: 21231	Tel: 318-345-0889

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
B1-01-01	Ceiling Sheetrock/Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-01-02	Ceiling Sheetrock/Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-01-03	Ceiling Sheetrock/Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-02-01	Wall Board/ Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-02-02	Wall Board/ Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-02-03	Wall Board/ Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-03-01	Wall sheetrock / Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-03-02	Wall sheetrock / Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-03-03	Wall sheetrock / Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-04-01	Flooring / Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-04-02	Flooring / Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-04-03	Flooring / Room1		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-05-01	Mortar / Window Space		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-05-02	Mortar / Window Space		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-05-03	Mortar / Window Space		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-06-01	Wall Plaster / Room2		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-06-02	Wall Plaster / Room2		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
B1-06-03	Wall Plaster / Room2		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
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			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

July 6, 2021

PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

CLIENT PROJECT: 211-305 Walnut St. - Building 2, 21231
CEI LAB CODE: B215284v2

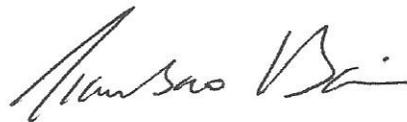
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 30, 2021. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

AMENDED

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

PAC ENVIRONMENTAL SPECIALISTS

CLIENT PROJECT: 211-305 Walnut St. - Building 2, 21231

LAB CODE: B215284v2

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/02/21

TOTAL SAMPLES ANALYZED: 4

SAMPLES >1% ASBESTOS: 5



CEI

AMENDED

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 211-305 Walnut St. - Building 2, 21231

LAB CODE: B215284v2

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B 2-01		B87707A	Brown	Floor Tile	Chrysotile 5%
		B87707B	Black	Mastic	Chrysotile 3%
B 2-02		B87708A	Green	Sheet Flooring	Chrysotile 25%
		B87708B	Yellow	Mastic	Chrysotile 3%
B 2-03		B87709	White	Sheetrock	None Detected
B 2-04		B87710A	White, Tan	Ceiling Tile	None Detected
		B87710B	Brown, Gray	Adhesive	Chrysotile 3%



CEI

AMENDED

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

Lab Code: B215284v2
Date Received: 06-30-21
Date Analyzed: 07-02-21
Date Reported: 07-02-21

Project: 211-305 Walnut St. - Building 2, 21231

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
B 2-01 B87707A	Floor Tile	Heterogeneous Brown Non-fibrous Bound		95%	Vinyl	5% Chrysotile	
B87707B	Mastic	Heterogeneous Black Non-fibrous Bound	3%	Cellulose 4%	90% Mastic Silicates	3% Chrysotile	
B 2-02 B87708A	Sheet Flooring	Heterogeneous Green Non-fibrous Bound		50%	Vinyl Binder	25% Chrysotile	
B87708B	Mastic	Heterogeneous Yellow Non-fibrous Bound		97%	Mastic	3% Chrysotile	
Lab Notes: Analyst opinion: Mastic is thin; Possible contamination from adjacent layer.							
B 2-03 B87709	Sheetrock	Heterogeneous White Fibrous Bound	10% 5%	Cellulose Fiberglass	75% 10%	Gypsum Paint	None Detected
B 2-04 B87710A	Ceiling Tile	Heterogeneous White, Tan Fibrous Bound	85%	Cellulose	5% 10%	Binder Paint	None Detected
B87710B	Adhesive	Heterogeneous Brown, Gray Bound	5%	Cellulose	92%	Mastic	3% Chrysotile

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

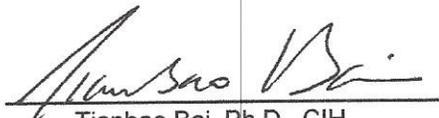
REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by Eurofins CEI. Eurofins CEI makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. Samples were received in acceptable condition unless otherwise noted. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Information provided by customer includes customer sample ID and sample description.

ANALYST: 
Taylor B. Metcalf

APPROVED BY: 
Tianbao Bai, Ph.D., CIH
Laboratory Director

AMENDED due to Laboratory Typographical Error -
Omitted sample information



CEI

CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code: <u>B25284</u>	<u>Ⓢ</u>
CEI Lab I.D. Range: <u>B87707 - B87710</u>	

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #: <u>24123</u>		Job Contact: <u>Miranda Wilson</u>	
Company: <u>PAC Environmental Specialists, LLC</u>		Email / Tel: <u>miranda@pacenvironmental.com</u>	
Address: <u>PO Box 689</u>		Project Name: <u>211-305 Walnut St. - Building 2</u>	
<u>Swartz, LA 71281</u>		Project ID#: <u>21231</u>	
Email: <u>miranda@pacenvironmental.com</u>		PO #: <u>21231</u>	
Tel: <u>318-345-0889</u>	Fax: <u>318-345-0859</u>	STATE SAMPLES COLLECTED IN:	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

Accept Samples
 Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
<u>Mary Cooper</u>	<u>6-29-21 / 1246</u>	<u>Imp</u>	<u>6/30 10:40 AM 9:40</u>

Samples will be disposed of 30 days after analysis

Bunting, Connor

From: mary.pacenvironmental.com <mary@pacenvironmental.com>
Sent: Tuesday, July 06, 2021 2:43 PM
To: CEI - Reporting
Subject: error in report

Follow Up Flag: Follow up
Flag Status: Flagged

EXTERNAL EMAIL*

Good afternoon,

This e-mail is referencing:

Client Project:211 – Walnut St. – Building 2, 21231

CEI Lab Code: B215284

Sample B2-02 is actually green in color. The report says black.

Can you please send an amended report?

Thanks!

Mary Cooper

Toxicologist

PAC Environmental Specialist

1011 Hwy. 139

Monroe, LA 71203

Office: (318) 345-0889

Mobile: (678) 920-8360

July 2, 2021

PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

CLIENT PROJECT: 211-305 Walnut St. - Building 3, 21231
CEI LAB CODE: B215285

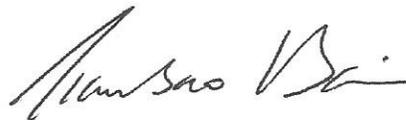
Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on June 30, 2021. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations.

Kind Regards,



Tianbao Bai, Ph.D., CIH
Laboratory Director

ASBESTOS ANALYTICAL REPORT
By: Polarized Light Microscopy

Prepared for

PAC ENVIRONMENTAL SPECIALISTS

CLIENT PROJECT: 211-305 Walnut St. - Building 3, 21231

LAB CODE: B215285

TEST METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 07/02/21

TOTAL SAMPLES ANALYZED: 12

SAMPLES >1% ASBESTOS: 6



CEI

Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 211-305 Walnut St. - Building 3, 21231

LAB CODE: B215285

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
B3-01	Layer 1	B87711	White	HVAC Insulation	Chrysotile 65%
	Layer 2	B87711	Tan	HVAC Insulation	None Detected
B3-02		B87712	Tan,Black	Hvac Joint Cloth	None Detected
B3-03		B87713	White,Cream	Window Caulking	None Detected
B3-04		B87714	White	Surface Material	None Detected
B3-05		B87715A	Cream,Black	Acoustic Tile	None Detected
		B87715B	Brown	Mastic	None Detected
B3-06		B87716A	Cream,Brown	Ceiling Tile	None Detected
		B87716B	Brown	Mastic	None Detected
B3-07		B87717	Beige	Plaster	None Detected
B3-08	Layer 1	B87718	Cream	Texture	Chrysotile 2%
	Layer 2	B87718	White	Sheetrock	None Detected
B3-09		B87719A	Green	Floor Tile	Chrysotile 5%
		B87719B	Black	Mastic	Chrysotile 3%
B3-10		B87720A	Dark Brown	Floor Tile	Chrysotile 3%
		B87720B	Black	Mastic	None Detected
B3-11		B87721	Cream	Insulation	None Detected
B3-12		B87722A	Cream,Brown	Ceiling Tile	None Detected
		B87722B	Brown	Mastic	Chrysotile 5%



CEI

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

Lab Code: B215285
Date Received: 06-30-21
Date Analyzed: 07-02-21
Date Reported: 07-02-21

Project: 211-305 Walnut St. - Building 3, 21231

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
B3-01 Layer 1 B87711	HVAC Insulation	Homogeneous White Fibrous Bound	15%	Cellulose	20%	Binder	65% Chrysotile
Layer 2 B87711	HVAC Insulation	Homogeneous Tan Fibrous Loosely Bound	100%	Cellulose			None Detected
B3-02 B87712	Hvac Joint Cloth	Heterogeneous Tan,Black Fibrous Loosely Bound	85%	Cellulose	15%	Binder	None Detected
B3-03 B87713	Window Caulking	Heterogeneous White,Cream Fibrous Bound	<1%	Cellulose	2% 98%	Paint Caulk	None Detected
B3-04 B87714	Surface Material	Homogeneous White Fibrous Bound	2%	Cellulose	98%	Binder	None Detected
B3-05 B87715A	Acoustic Tile	Heterogeneous Cream,Black Fibrous Bound	<1%	Cellulose	3% 97%	Paint FOAMGLASS	None Detected
B87715B	Mastic	Homogeneous Brown Fibrous Bound	2%	Cellulose	60% 38%	Mastic Calc Carb	None Detected



CEI

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

Lab Code: B215285
Date Received: 06-30-21
Date Analyzed: 07-02-21
Date Reported: 07-02-21

Project: 211-305 Walnut St. - Building 3, 21231

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
B3-06 B87716A	Ceiling Tile	Heterogeneous Cream,Brown Fibrous Loosely Bound	95%	Cellulose	5%	Paint	None Detected
B87716B	Mastic	Homogeneous Brown Fibrous Bound	2%	Cellulose	60%	Mastic 38% Calc Carb	None Detected
B3-07 B87717	Plaster	Heterogeneous Beige Fibrous Bound	<1%	Cellulose	3%	Paint 60% Binder 37% Silicates	None Detected
B3-08 Layer 1 B87718	Texture	Heterogeneous Cream Fibrous Bound	2%	Cellulose	3%	Paint 78% Calc Carb 15% Binder	2% Chrysotile
Layer 2 B87718	Sheetrock	Heterogeneous White Fibrous Bound	10%	Cellulose	90%	Gypsum	None Detected
B3-09 B87719A	Floor Tile	Homogeneous Green Fibrous Bound	2%	Cellulose	60%	Vinyl 33% Calc Carb	5% Chrysotile
B87719B	Mastic	Homogeneous Black Fibrous Bound	2%	Cellulose	60%	Mastic 35% Calc Carb	3% Chrysotile



CEI

ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PAC ENVIRONMENTAL SPECIALISTS
P.O. Box 689
Swartz, LA 71281

Lab Code: B215285
Date Received: 06-30-21
Date Analyzed: 07-02-21
Date Reported: 07-02-21

Project: 211-305 Walnut St. - Building 3, 21231

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
B3-10 B87720A	Floor Tile	Homogeneous	10%	Cellulose	57%	Vinyl Calc Carb	3% Chrysotile
		Dark Brown Fibrous Bound			30%		
B87720B	Mastic	Homogeneous	2%	Cellulose	60%	Mastic Calc Carb	None Detected
		Black Fibrous Bound			38%		
B3-11 B87721	Insulation	Homogeneous	100%	Fiberglass			None Detected
		Cream Fibrous Loose					
B3-12 B87722A	Ceiling Tile	Heterogeneous	95%	Cellulose	5%	Paint	None Detected
		Cream, Brown Fibrous Loosely Bound					
B87722B	Mastic	Homogeneous	2%	Cellulose	60%	Mastic Calc Carb	5% Chrysotile
		Brown Fibrous Bound			33%		

LEGEND: Non-Anth = Non-Asbestiform Anthophyllite
 Non-Trem = Non-Asbestiform Tremolite
 Calc Carb = Calcium Carbonate

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORTING LIMIT: <1% by visual estimation

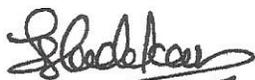
REPORTING LIMIT FOR POINT COUNTS: 0.25% by 400 Points or 0.1% by 1,000 Points

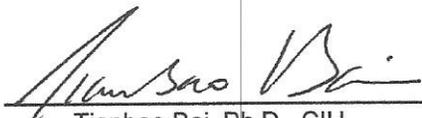
REGULATORY LIMIT: >1% by weight

Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation. *Estimated measurement of uncertainty is available on request.*

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Information provided by customer includes customer sample ID and sample description.

ANALYST: 
Shripa Ladekar

APPROVED BY: 
Tianbao Bai, Ph.D., CIH
Laboratory Director



CEI

CHAIN OF CUSTODY

730 SE Maynard Road, Cary, NC 27511
 Tel: 866-481-1412; Fax: 919-481-1442

LAB USE ONLY:	
CEI Lab Code:	B215285 (P)
CEI Lab I.D. Range:	B87711 - B87722

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:	24123	Job Contact:	Miranda Wilson
Company:	PAC Environmental Specialists, LLC	Email / Tel:	miranda@pacenvironmental.com
Address:	PO Box 689 Swartz, LA 71281	Project Name:	211 - 305 Walnut St. - Building 3
Email:	miranda@pacenvironmental.com	Project ID#:	21231
Tel:	318-345-0889	PO #:	21231
Fax:	318-345-0859	STATE SAMPLES COLLECTED IN:	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	1 DAY	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR (PCME)	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05 (2010)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09 (2014)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-16	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM QUALITATIVE	IN-HOUSE METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
	6-29-21 / 1253	Sam	6/30 9:40

Samples will be disposed of 30 days after analysis

APPENDIX E: INSPECTOR LDEQ CERTIFICATION

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Kadie R Wheat

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

Asbestos Inspector

Accreditation No. MI192255

AI No. 192255

Date of Issuance April 22, 2021

Expiration May 21, 2022

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.


Permit Support Services Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that

Mary Cooper

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

Asbestos Inspector

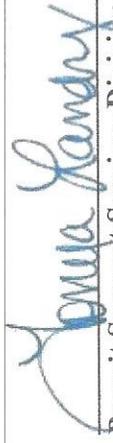
Accreditation No. MI192256

AI No. 192256

Date of Issuance April 22, 2021

Expiration May 21, 2022

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.


Permit Support Services Division
Office of Environmental Services

APPENDIX G – WASTE MANIFEST



NON-HAZARDOUS MANIFEST

NON-HAZARDOUS MANIFEST		1. Generator's US EPA ID No.	Manifest Doc No.	2. Page 1 of 1				
3. Generator's Mailing Address: MATT SANDERSON 211-305 WALNUT ST MONROE, LA 71201		Generator's Site Address (if different than mailing): SAME		A. Manifest Number WMNA 6961298				
4. Generator's Phone 818-323-7270		B. State Generator's ID						
5. Transporter 1 Company Name		6. US EPA ID Number		C. State Transporter's ID				
7. Transporter 2 Company Name N/A		8. US EPA ID Number		D. Transporter's Phone				
9. Designated Facility Name and Site Address MAGNOLIA LANDFILL 1000 RUSSELL SAGE ROAD MONROE, LA 71203		10. US EPA ID Number N/A		E. State Transporter's ID				
				F. Transporter's Phone				
				G. State Facility ID D-073-1848				
				H. State Facility Phone (318)343-5636				
GENERATOR	11. Description of Waste Materials		12. Containers	13. Total Quantity	14. Unit Wt./Vol.	I. Misc. Comments		
	a. INVESTIGATION DERIVED WASTE WM Profile # 970696LA		No. 1 Type STEEL DRUM	1	55 GAL.			
	b. INVESTIGATION DERIVED LIQUID WASTE WM Profile # 970697LA		No. 1 Type STEEL DRUM	1	55 GAL.			
	c. N/A WM Profile #							
	d. N/A WM Profile #							
	J. Additional Descriptions for Materials Listed Above N/A		K. Disposal Location					
		Cell		Level				
		Grid						
15. Special Handling Instructions and Additional Information N/A								
PO#: 11472001/04		EMERGENCY CONTACT PHONE:						
16. GENERATOR'S CERTIFICATE: I hereby certify that the above-described materials are not hazardous wastes as defined by 40 CFR Part 261 or any applicable state law, have been fully and accurately described, classified and packaged and are in proper condition for transportation according to applicable regulations.								
Printed Name John Roger		Signature "On behalf of"		Month	Day	Year		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed Name Mark Nelson		Signature		Month	Day	Year
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed Name		Signature		Month	Day	Year
19. Certificate of Final Treatment/Disposal I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the dates listed above.								
20. Facility Owner or Operator: Certification of receipt of non-hazardous materials covered by this manifest.								
Printed Name Ali Walker		Signature		Month 7	Day 16	Year 21		

White- TREATMENT, STORAGE, DISPOSAL FACILITY COPY

Blue- GENERATOR #2 COPY

Yellow- GENERATOR #1 COPY

Pink- FACILITY USE ONLY

Gold- TRANSPORTER #1 COPY

TRANSPORTER

FACILITY