

# **PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**

**UNION COUNTY  
VACANT COUNTY PARCEL  
SWC SW 1<sup>ST</sup> STREET AND SW 1<sup>ST</sup> AVENUE  
LAKE BUTLER, FLORIDA 32054**

**USEPA COOPERATIVE AGREEMENT NO. BF-02D29322-0  
ACRES NO. 257971**

**PPM PROJECT NO. 20165101-TASK 21**

**NOVEMBER 27, 2024**



**PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT**

**AT**

**VACANT COUNTY PARCEL  
SWC SW 1<sup>ST</sup> STREET AND SW 1<sup>ST</sup> AVENUE  
LAKE BUTLER, FLORIDA 32054  
ACRES NO. 257971**



**UNION** *County*  
LAKE BUTLER • WORTHINGTON SPRINGS • RAIFORD • PALESTINE • PROVIDENCE


**PREPARED FOR:**

**UNION COUNTY  
15 NE 1<sup>ST</sup> STREET  
LAKE BUTLER, FLORIDA 32045**

**USEPA COOPERATIVE AGREEMENT NO. BF-02D29322-0  
PPM PROJECT NO. 20165101-TASK 21**

**NOVEMBER 27, 2024**

**PREPARED BY:**

  
\_\_\_\_\_  
**ROY H. THERRIEN, P.G.  
SENIOR GEOLOGIST**

**REVIEWED BY:**

  
\_\_\_\_\_  
**BRIAN RICHARDS, P.G.  
DISTRICT MANAGER**

**PPM CONSULTANTS, INC.  
30704 SERGEANT E.I. "BOOTS" THOMAS DRIVE  
SPANISH FORT, ALABAMA 36527  
(251) 990-9000**

## TABLE OF CONTENTS

	<u>PAGE</u>
<b>STATEMENT OF PROFESSIONAL REVIEW.....</b>	<b>III</b>
<b>1.0 INTRODUCTION.....</b>	<b>1</b>
1.1 Recognized Environmental Conditions.....	1
1.2 Scope of Work.....	2
<b>2.0 SITE DESCRIPTION / HISTORY.....</b>	<b>3</b>
<b>3.0 FIELD METHODOLOGY.....</b>	<b>4</b>
3.1 Soil Boring Advancement and Soil Sampling.....	4
3.2 Monitoring Well Installation.....	5
3.3 Groundwater Sampling.....	6
3.4 Ground Penetrating Radar / Utility Markouts.....	6
3.5 Deviations from Approved Workplan and Corrective Actions.....	7
<b>4.0 ASSESSMENT RESULTS.....</b>	<b>7</b>
4.1 Soil Samples.....	7
4.2 Groundwater Depth to Water.....	8
4.3 Groundwater Samples.....	8
<b>5.0 CONCLUSIONS.....</b>	<b>8</b>
<b>6.0 RECOMMENDATIONS.....</b>	<b>9</b>

## TABLE OF CONTENTS (Continued)

### FIGURES

Figure 1	Site Location Map
Figure 2	Site / Area Map
Figure 3	Site Map
Figure 4	Ground Penetrating Radar Survey / Utility Markouts
Figure 5	Chemicals of Potential Concern Concentrations in Soil
Figure 6	Dissolved Chemicals of Potential Concern Concentrations in Groundwater

### TABLES

Table 1	Organic Vapor Data
Table 2A	Soil Analytical Summary – VOCs, TRPH, and Lead
Table 2B	Soil Analytical Summary – SVOCs and PAHs
Table 2C	SB-2, B(a)P Forensic Evaluation
Table 3	Groundwater Depth to Water
Table 4A	Groundwater Analytical Summary – VOCs, TRPH, and Lead
Table 4B	Groundwater Analytical Summary – SVOCs and PAHs

### APPENDICES

Appendix A	Field Notes, Soil Boring Logs, Well Construction Logs, Groundwater Sampling Logs, and Equipment Calibration Logs
Appendix B	Waste Disposal Documentation
Appendix C	Laboratory Analytical Reports

**STATEMENT OF PROFESSIONAL REVIEW**

**PROFESSIONAL GEOLOGIST LICENSED IN THE STATE OF FLORIDA**

I hereby certify that the Phase II Environmental Site Assessment, dated November 27, 2024, for Union County Florida EPA Cooperative Agreement No. BF-02D29322-0 for a Vacant County Parcel located at the Southwest Corner of SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue, Lake Butler, Union County, Florida, 32054, USEPA ACRES ID 257971 was prepared by me and is in conformance with good professional practices pursuant to Chapter 492 of the Florida Statutes.



Roy H. Therrien  
Professional Geologist  
State of Florida  
License No. PG1119

PPM Consultants, Inc., 750 S. Northlake Boulevard, Suite 1012,  
Altamonte Springs, Florida 32701

## 1.0 INTRODUCTION

PPM Consultants, Inc. (PPM) was retained by Union County, Florida to conduct a Phase II Environmental Site Assessment (ESA) on a Vacant County Parcel in Lake Butler, Florida located at the Southwest Corner (SWC) of SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue. The work was conducted under the United States Environmental Protection Agency's (USEPA) Cooperative Agreement No. BF-02D29322-0.

The purpose of the assessment was to evaluate whether soil and groundwater at the site contain regulated constituents of concern (COC). The chemicals of potential concern (COPC) are associated with gasoline groundwater contamination due to past use of the adjoining and nearby properties as retail petroleum stations as described in PPM's December 11, 2023, Phase I ESA.

This report describes field methodology, presents analytical results, and provides conclusions from the subsurface investigation of the site. The **Site Location Map** is provided as **Figure 1**, in **Figures**. A **Site / Area Map** is provided as **Figure 2**. Monitoring well locations are depicted in **Figure 3, Site Map. Field Notes, Soil Borings Logs, Well Construction Logs, Groundwater Sampling Logs, and Equipment Calibration Logs** are included in **Appendix A. Waste Disposal Documentation** is included in **Appendix B. Laboratory Analytical Reports** are included in **Appendix C**.

### 1.1 RECOGNIZED ENVIRONMENTAL CONDITIONS

PPM identified the following recognized environmental condition (REC) during the Phase I ESA completed on December 11, 2023.

- **Groundwater contamination area in the surrounding area.** Three leaking underground storage (LUST) facilities (Shadd's Facility/Shell, Handi-Way Food Store/Union Beverage, and Cargo Station/Hungry Howie's) are located between 150 and 280 feet northwest of the subject property. Leaked gasoline from these facilities created a comingled plume of petroleum contamination in groundwater in the surrounding area. Two other LUST facilities (Shell/Welch's and Biellings Tire) formerly located approximately 145 and 310 feet to the north of the subject property, respectively, were also found to be additional contributing sources to the groundwater contamination. The media of concern is groundwater and soil vapor. The groundwater contamination in the surrounding area is considered to represent a REC.

## 1.2 SCOPE OF WORK

Based on the findings of the Phase I ESA, PPM developed a Site-Specific Quality Assurance Project Plan (SSQAPP) that was presented to Union County and the USEPA on June 24, 2024. PPM conducted the Phase II ESA fieldwork on September 24, October 2, and October 16, 2024, to evaluate surface and subsurface conditions at the site. Soil boring SB-1/monitoring well MW-1 was installed adjacent to the former remediation compound shed at the northwest side of the subject property. The other three borings/wells were installed at the other corners of the site to provide as wide coverage of the site as possible.

A total of four soil borings (SB-1 through SB-4) were advanced with the soil field analyzed for organic vapors with a calibrated photoionization detector. One soil sample for laboratory analyses was collected from each boring. After the borings were completed, each boring was converted into a permanent monitoring well (MW-1 through MW-4, respectively). A total of four subsurface soil samples and four groundwater samples were collected for laboratory analyses. Subsurface soil samples and groundwater samples were submitted for laboratory analysis based upon conditions specific to that portion of the property. The following scope of work was completed for the Phase II ESA of the subject property:

- Prepared a Health and Safety Plan (HASP).
- Located subsurface utilities prior to drilling by contacting Florida One-Call System and local utilities not under contract to the One-Call service. Conducted a visual inspection and a ground-penetrating radar (GPR) survey for the evidence of utilities and subsurface structures.
- Advanced four soil borings (SB-1 through SB-4) using Direct Push Technology (Geoprobe) to depths of approximately 20 feet below ground surface (BGS). Hollow stem augers (HSA) were then advanced for well installations. Each boring was converted into a permanent 2-inch diameter monitoring well (correspondingly identified as MW-1 through MW-4) with well screen in each well from 10 to 20 feet BGS.
- Collected soil samples from each of the soil borings for lithologic description, field screening, and laboratory analysis.
- Submitted four subsurface soil samples for laboratory analysis of volatile organic compounds (VOC) per USEPA Method 8260B, semi-volatile organic compounds (SVOC) per USEPA Method 8270E (GC/MS), polycyclic aromatic hydrocarbons (PAH) by USEPA Method 8270E (SIM), Total Recoverable Petroleum

Hydrocarbons (TRPH) per the Florida Petroleum Residual Organic (FLPRO) Method and Lead per USEPA Method 6010.

- Collected groundwater samples from the four wells and submitted them for laboratory analysis of VOCs per USEPA Method 8260B, SVOCs per USEPA Method 8270E (GC/MS), TRPH per the FLPRO Method, and Lead per USEPA Method 6010.
- Prepared this report presenting the scope of work, site background, investigative methodology, findings, and conclusions from the Phase II ESA field activities.

## 2.0 SITE DESCRIPTION / HISTORY

The Vacant County Parcel is located on the SWC of SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue in Lake Butler, Florida. The subject property covers approximately 0.172 acres of land.

The subject property is not depicted on the 1913 fire insurance map. The 1920 fire insurance map and the 1938 aerial photograph indicate the subject property was undeveloped land. Historical records indicate the subject property was developed with a train depot from at least 1949 to at least 1965 and consisted of vacant land from at least 1971 to 2001. From 2002 to 2020, the subject property contained two remediation systems that were piped to impacted gasoline stations to the north and northwest. The two former remediation compounds currently consist of a small shed and a large concrete slab, as shown in **Figure 3, Site Map**. Remediation that was performed included groundwater pump and treat (P&T), soil vapor extraction (SVE)/Air Sparge (AS), and bio-sparge remediation at various times from 2002 to 2020. The electric service to the compounds included two small power poles installed next to the former remediation compounds.

The remainder of the subject property consists of grassy areas. The site is located at 30° 01' 20" North latitude and 82° 20' 21" West longitude. The site location is depicted in **Figure 1, Site Location Map**. Site and area features are shown in **Figure 2, Site / Area Map**. The former remediation shed and concrete slab are shown in **Figure 3, Site Map**.

Properties surrounding the subject property consist of commercial and residential properties. The site is bordered to the north by SW 1<sup>st</sup> Street, followed by Windstream (internet provider) followed by a former gasoline station; to the northeast by SW 1<sup>st</sup> Street and SW 1<sup>st</sup> Avenue followed by a residence; to the east by SW 1<sup>st</sup> Avenue, followed by a residence; to the south and southwest by undeveloped and wooded land; to the west by vacant land

(former historical gasoline station that operated from approximately 1920 to the 1940s); and to the northwest by SW 1<sup>st</sup> Street and SW 2<sup>nd</sup> Avenue (one current and one former gasoline station).

### 3.0 FIELD METHODOLOGY

On September 24 and October 2, 2024, PPM and its subcontractor advanced four soil borings (SB-1 through SB-4), collected subsurface soil samples for field and laboratory analyses, and installed four monitoring wells (MW-1, MW-2, MW-3, and MW-4) at the site using direct push technology (DPT) for the soil borings and hollow stem augers (HSA) for the well installations.

#### 3.1 SOIL BORING ADVANCEMENT AND SOIL SAMPLING

Soil samples were collected from a total of four soil boring locations, as shown in **Figure 3, Site Map**. Soil borings were initially cleared utilizing a hand auger to 4 feet BGS, then using DPT to collect soil samples to 20 feet BGS. During soil boring installation groundwater was encountered at depths between 7 and 13 feet BGS. Hand auger samples were collected at 1-foot intervals. DPT samples were collected at 2 and 4-foot intervals to 20 feet BGS using macrocore-samplers with disposable liners. Soil samples were screened in the field by headspace analysis. Headspace analysis consisted of half-filling clean glass jars with soil and covering the jars with aluminum foil and lids. Vapors were allowed to equilibrate in each jar for approximately 15 minutes. A headspace reading was then obtained by inserting the probe tip of a calibrated photoionization detector (PID) through the aluminum foil. After each measurement, the instrument was allowed to return to background concentrations in the ambient air. One soil sample was also collected from each boring having the highest PID reading or exhibiting visible signs of impact and submitted for laboratory analysis.

Samples selected for laboratory analysis were placed in new, pre-cleaned, sample jars provided by the laboratory and placed on ice prior to transport and delivery to the laboratory. Soil descriptions were described based on visual inspection and professional judgement as described in the *American Society for Testing & Materials (ASTM) D2488-09A: Standard Practice for Description and Identification of Soils – Visual-Manual Procedure*. Soil boring labels, sample depths, and laboratory analyses are included in the table below.

Boring Label	Soil Boring Depth (Feet BGS)	Depth to Water (Feet BGS)	Location	Sample Depth (Feet BGS)	Laboratory Analysis
SB-1	20	~14	Northwest corner of the subject property	10 to 12	VOCs, SVOCs, PAHs, TRPH, LEAD
SB-2	20	~7	Northeast corner of subject property	4 to 6	VOCs, SVOCs, PAHs, TRPH, LEAD
SB-3	20	~10	Southeast corner of subject property	4 to 6	VOCs, SVOCs, PAHs, TRPH, LEAD
SB-4	20	~12	Southwest corner of subject property	10 to 12	VOCs, SVOCs, PAHs, TRPH, LEAD

Samples collected from each soil boring were submitted for laboratory analysis to Eurofins Orlando in Orlando, Florida for the analyses listed in the table. Soil boring locations are shown in **Figure 3, Site Map**. Soil sample depths and organic vapor results are included in **Table 1, Organic Vapor Data**, in **Tables**. Field notes and soil boring logs are included in **Appendix A**.

### 3.2 MONITORING WELL INSTALLATION

Monitoring wells were installed in all four soil borings after soil sampling was complete. The monitoring wells were installed using hollow-stem augers attached to the Geoprobe drill rig. Monitoring wells were constructed of 10 feet of 2-inch diameter PVC well screen attached to 10 feet of 2-inch diameter PVC casing. Monitoring well locations are shown in **Figure 3, Site Map**. Well location, construction details, and laboratory analyses are summarized in the table, below:

Well Label	Well Depth (Feet BGS)	Screened Interval (Feet BGS)	Location	Groundwater Laboratory Analysis
MW-1	20	10 to 20	Northwest corner of the subject property	VOCs, SVOCs, TRPH, LEAD
MW-2	20	10 to 20	Northeast corner of the subject property	VOCs, SVOCs, TRPH, LEAD
MW-3	20	10 to 20	Southeast corner of the subject property	VOCs, SVOCs, TRPH, LEAD
MW-4	20	10 to 20	Southwest corner of the subject property	VOCs, SVOCs, TRPH, LEAD

Drilling cuttings from the well installations were containerized in five 55-gallon steel drums. The drums were removed on November 7, 2024, by Erwin Remediation, Inc. (Erwin) of Pensacola, Florida and properly disposed. Waste disposal documentation is included in **Appendix B**.

### 3.3 GROUNDWATER SAMPLING

Groundwater samples were collected from the monitoring wells on October 16, 2024. Sample collection techniques were implemented in general accordance with the Florida Department of Environmental Protection (FDEP)-Standard Operating Procedure (SOP)-001/01 and Chapter 62-780 Florida Administrative Code (FAC), Contaminated Site Cleanup Criteria. Groundwater was sampled using a peristaltic pump. New tubing was used at each well. Disposable nitrile gloves were worn during the sampling process and changed prior to each sample acquisition. For the groundwater sampling, groundwater was purged until pH, temperature, conductivity, dissolved oxygen, and turbidity parameters stabilized.

The purge water extracted from the wells was containerized into one 55-gallon steel drum. The drum was removed on November 7, 2024, by Erwin and properly disposed. Waste disposal documentation is included in **Appendix B**.

The groundwater samples were submitted under chain-of-custody documentation to Eurofins Orlando of Orlando, Florida for the analyses listed in the table above. Field notes, sampling and calibration logs are included in **Appendix A**.

### 3.4 GROUND PENETRATING RADAR / UTILITY MARKOUTS

A GPR survey was conducted on September 17, 2024, by GeoView Associates, Inc. of Saint Petersburg, Florida under the supervision of PPM personnel. The GPR survey did not identify any large underground structures (typically storage tanks) or any significant debris. The GPR survey identified the remediation piping lines/trenches going to the former remediation compound from the off-site current and former gasoline stations to the north and northwest. Prior utility markouts by the State of Florida Sunshine One-Call identified a water line on the north property line and a telecommunication line running north-south at the east side of the subject property. The locations of these features are shown in **Figure 4, Ground Penetrating Radar Survey / Utility Markouts**.

### **3.5 DEVIATIONS FROM APPROVED WORKPLAN AND CORRECTIVE ACTIONS**

Due to over 20 years of groundwater flow data from the adjacent and nearby former and current gasoline stations, the top of casings of the site monitoring wells were not surveyed. All the groundwater flow data from these sites consistently indicated an easterly to southeasterly groundwater flow direction. The deviation was reviewed by the Project Manager and Quality Assurance Officer and was not considered significant enough for corrective actions to be conducted.

## **4.0 ASSESSMENT RESULTS**

### **4.1 SOIL SAMPLES**

Lithology encountered in the soil borings at the site consisted of gray/beige silty sand to 6 feet BGS followed by beige to light gray to brown sandy clay and gray to red clay to 12 feet BGS, then off-white to gray clay, and brown sandy clay at depths ranging from 12 to 20 feet BGS. During boring advancement, saturated soil was encountered at approximately 7 feet BGS at SB-2 and 10 to 14 feet BGS at SB-1, SB-3, and SB-4.

Results of organic vapor analyzer (OVA) screening of soil boring samples did not reveal hydrocarbon vapor concentrations greater than 0.7 parts per million (ppm). Results of laboratory analysis of subsurface soil samples revealed no COPC exceeded FDEP Residential Direct Exposure, Commercial Direct Exposure, or Leachability Based on Groundwater Criteria Soil Cleanup Target Levels (SCTL), except for the 4 to 6 feet BGS sample from SB-2 that contained a concentration of 2.2 milligrams per kilogram (mg/kg) of benzo(a)pyrene B(a)P equivalent compounds. This concentration exceeded the direct exposure SCTL for B(a)P equivalent compounds of 0.149 mg/kg. The highest B(a)P equivalent compound concentration in the soil samples from the other three borings was 0.02 mg/kg.

Because only one soil sample had a SCTL exceedance and no current or historical petroleum sources were identified on the subject property, PPM conducted a forensic evaluation of the SB-2 B(a)P equivalent compound concentration 4 to 6 feet sample to determine if the source of the B(a)P equivalent compound concentration was petroleum or pyrogenic (combustion origin). The forensic evaluation indicated the source of the B(a)P equivalent compound concentration in the SB-2 sample was pyrogenic, not petroleum.

Sample locations are shown in **Figure 3, Site Map**. The occurrence of COPCs is shown in **Figure 5, Chemicals of Potential Concern Concentrations in Soil**. Laboratory results are summarized in **Table 2A, Soil Analytical Summary – VOCs, TRPH, and Lead**, and **Table 2B, Soil Analytical Summary – SVOCs and PAHs**. The B(a)P equivalent compound concentration forensic evaluation is included in **Table 2C, SB-2, B(a)P Forensic Evaluation**. Laboratory analytical reports are included in **Appendix C**.

## 4.2 GROUNDWATER DEPTH TO WATER

On October 16, 2024, prior to groundwater sampling, depth to water measurements were collected from the four monitoring wells. Depth to water in MW-1 was 6.21 feet below top of casing (BTOC). Depth to water in MW-2 was 6.34 feet BTOC. Depth to water in MW-3 was 6.63 feet BTOC. Depth to water in MW-4 was 6.59 feet BTOC. Depth to water measurements are included in **Table 3, Groundwater Depth to Water**.

## 4.3 GROUNDWATER SAMPLES

Results of laboratory analysis of groundwater samples from the four wells did not show COPCs at concentrations greater than FDEP Chapter 62-777 FAC Groundwater Cleanup Target Levels (GCTL).

The occurrence of COPCs is shown in **Figure 6, Dissolved Chemicals of Potential Concern Concentrations in Groundwater**. Groundwater sampling data is included in **Table 4A, Groundwater Analytical Summary – VOCs, TRPH, and Lead**, and **Table 4B, Groundwater Analytical Summary – SVOCs and PAHs**. Laboratory analytical reports are included in **Appendix C**.

## 5.0 CONCLUSIONS

The conclusions are based on or are reasonably ascertainable from published information, field observations, and the results of specific laboratory analyses.

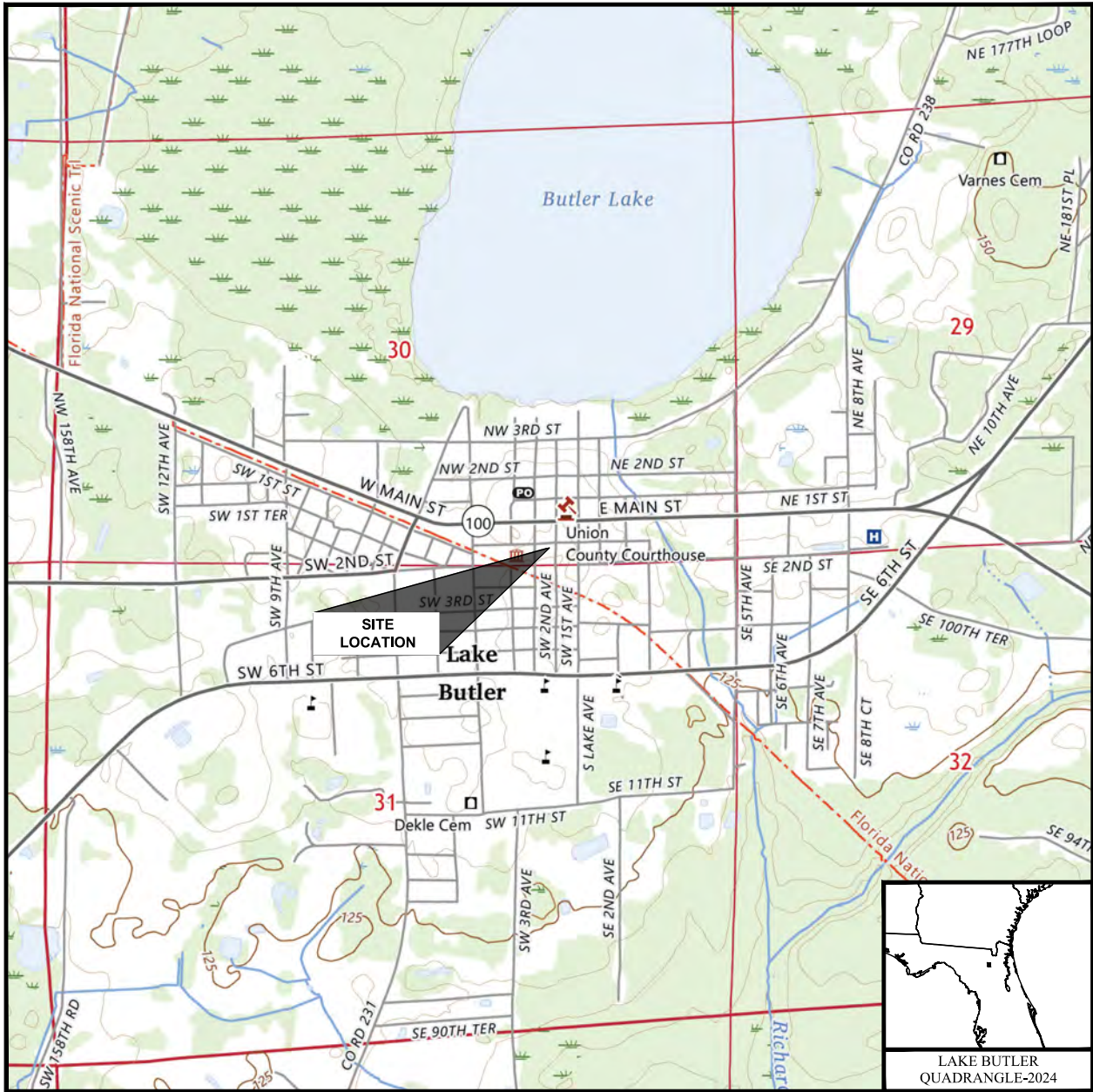
- In general, lithology encountered in the soil borings at the site consisted of gray/beige silty sand to 6 feet BGS followed by beige to light gray to brown sandy clay and gray to red clay to 12 feet BGS, then off-white to gray clay, and brown sandy clay at depths ranging from 12 to 20 feet BGS.

- Depth to groundwater in the four monitoring wells ranged from 6.21 to 6.63 feet BTOC.
- Based on numerous technical reports for adjacent and nearby gasoline stations, groundwater flow has consistently shown to be to the east and southeast in the shallow zone for at least the last 20 years.
- Soil concentrations did not exceed SCTLs in any of the soil samples, except for B(a)P equivalent compound concentration at the 4 to 6-foot depth interval in SB-2 (northeast corner of site). Based on a forensic analysis of this sample, the source of the B(a)P equivalent compound concentration source was evaluated as pyrogenic (combustion origin), not petroleum.
- Groundwater concentrations in four monitoring wells located at the four corners of the subject property did not exceed GCTLs for the COPCs.

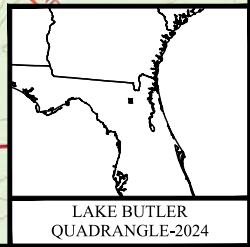
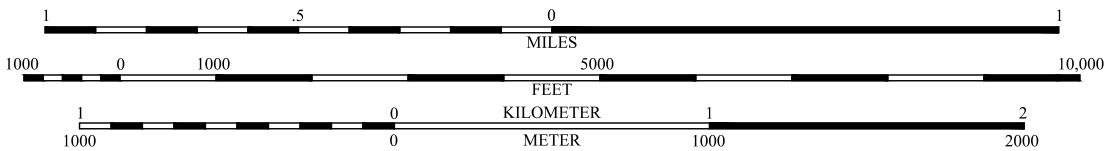
## 6.0 RECOMMENDATIONS

In regard to the Phase I ESA REC (groundwater contamination area in the surrounding area), based on the current soil and groundwater data, the REC has been reevaluated and is determined to no longer be a REC.


## FIGURES



SCALE: 1 : 24,000



LAKE BUTLER  
QUADRANGLE-2024

 <b>PPM CONSULTANTS, INC.</b> www.ppmco.com	
DRAWN BY: <b>BWH</b>	DRAWN DATE: <b>11/08/24</b>
PROJECT NUMBER: <b>20165101</b>	PHASE: <b>TASK 21</b>

UNION COUNTY, FLORIDA  
**VACANT COUNTY PARCEL**  
 SOUTHWEST CORNER OF SOUTHWEST 1ST  
 STREET AND SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

SITE LOCATION MAP

FIGURE  
NUMBER

1

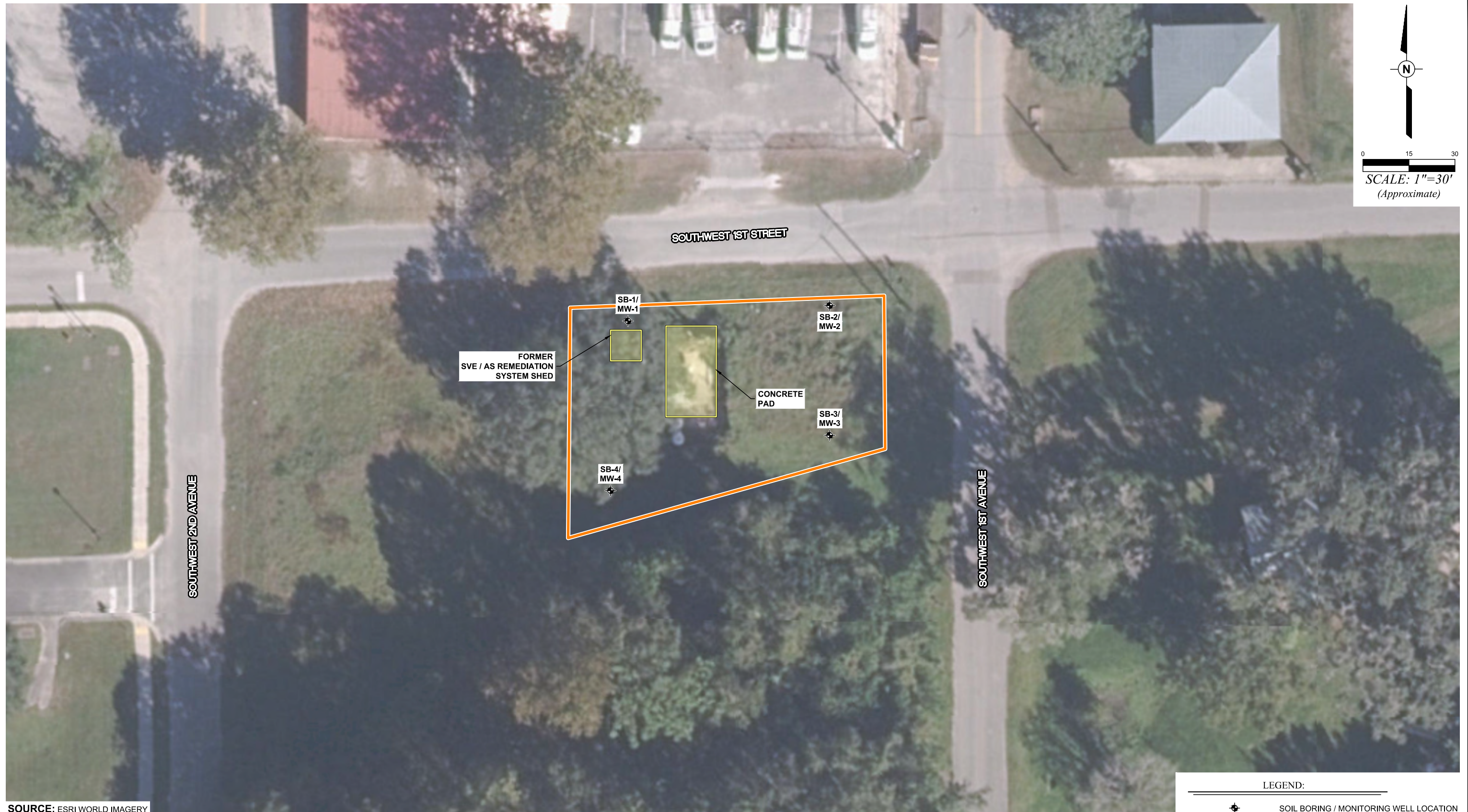


PPM CONSULTANTS, INC. www.ppmco.com	
DRAWN BY: BWH	DRAWN DATE: 11/08/24
PROJECT NUMBER: 20165101	PHASE: TASK 21

UNION COUNTY, FLORIDA  
**VACANT COUNTY PARCEL**  
 SOUTHWEST CORNER OF SOUTHWEST 1ST  
 STREET AND SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

SITE / AREA MAP


FIGURE  
NUMBER  
**2**



SOURCE: ESRI WORLD IMAGERY

LEGEND:

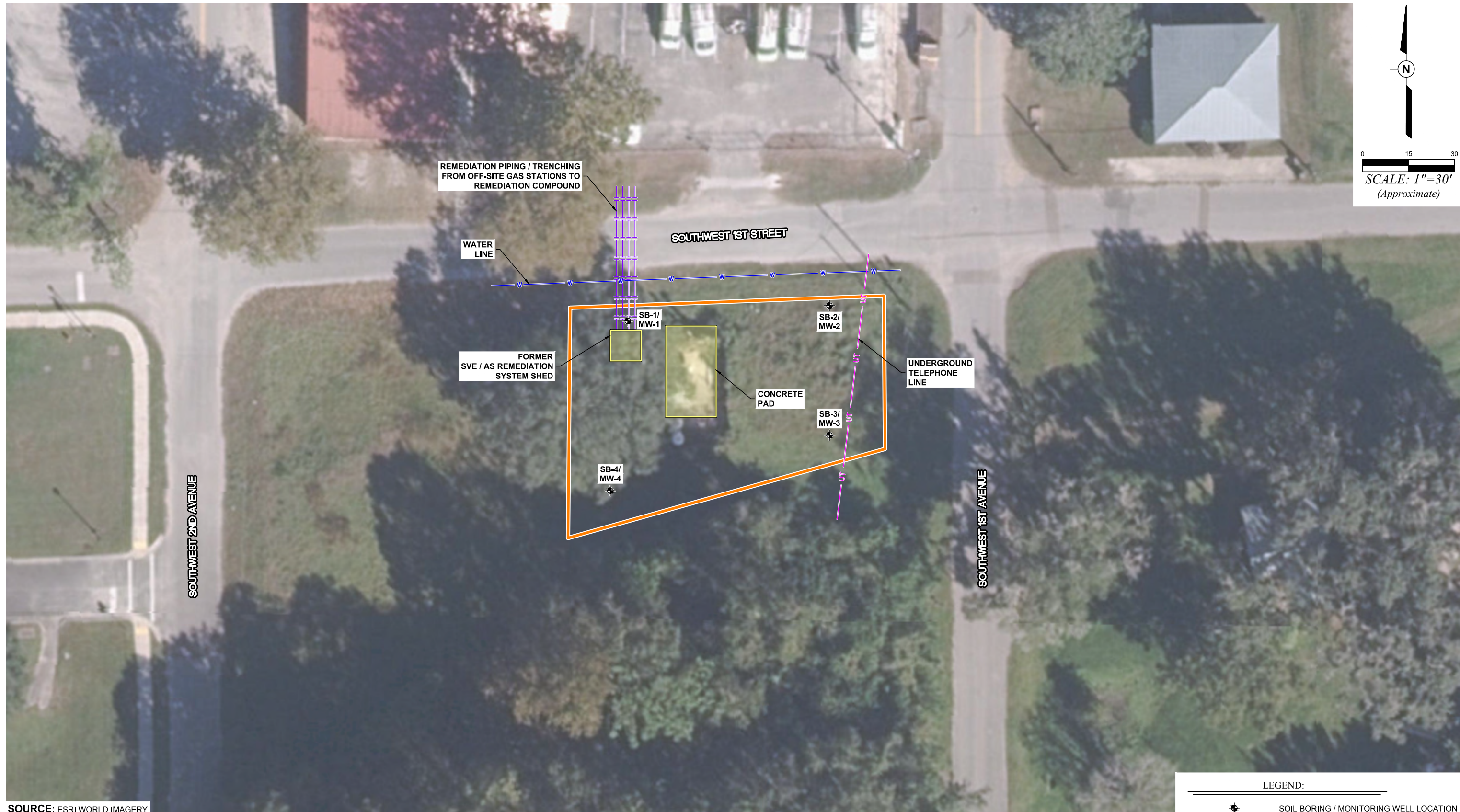
 SOIL BORING / MONITORING WELL LOCATION

 PPM CONSULTANTS, INC. www.ppmco.com	
DRAWN BY: BWH	DRAWN DATE: 11/08/24
PROJECT NUMBER: 20165101	PHASE: TASK 21

UNION COUNTY, FLORIDA  
**VACANT COUNTY PARCEL**  
 SOUTHWEST CORNER OF SOUTHWEST 1ST  
 STREET AND SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

SITE MAP

FIGURE  
 NUMBER  
**3**



SOURCE: ESRI WORLD IMAGERY

LEGEND:

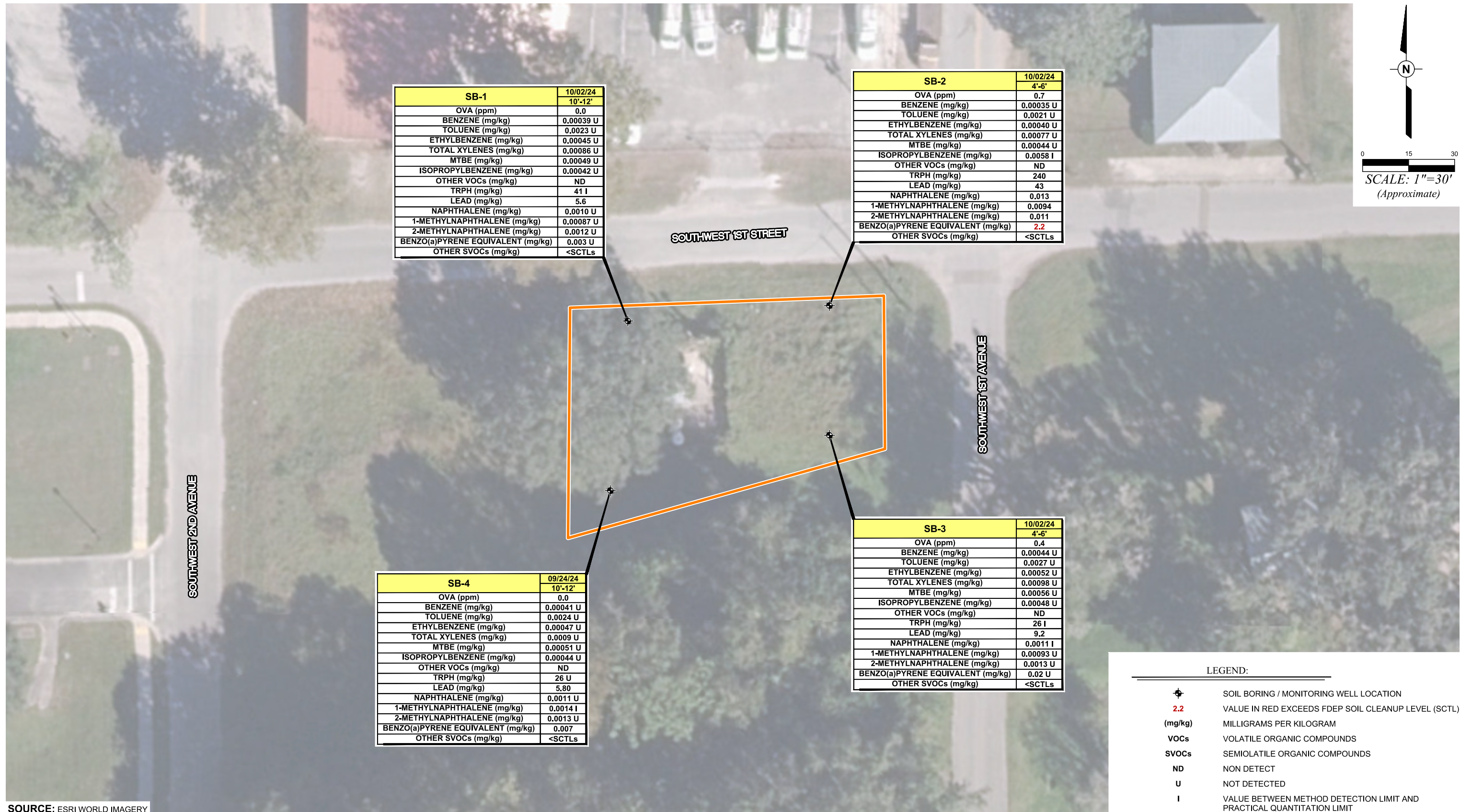
⊕ SOIL BORING / MONITORING WELL LOCATION

PPM CONSULTANTS, INC. www.ppmco.com	
DRAWN BY: BWH	DRAWN DATE: 11/08/24
PROJECT NUMBER: 20165101	PHASE: TASK 21

UNION COUNTY, FLORIDA  
**VACANT COUNTY PARCEL**  
 SOUTHWEST CORNER OF SOUTHWEST 1ST  
 STREET AND SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

GROUND PENETRATING RADAR SURVEY / UTILITY MARKOUTS

FIGURE  
 NUMBER  
**4**



SB-1		10/02/24
		10'-12'
OVA (ppm)		0.0
BENZENE (mg/kg)		0.00039 U
TOLUENE (mg/kg)		0.0023 U
ETHYLBENZENE (mg/kg)		0.00045 U
TOTAL XYLENES (mg/kg)		0.00086 U
MTBE (mg/kg)		0.00049 U
ISOPROPYLBENZENE (mg/kg)		0.00042 U
OTHER VOCs (mg/kg)		ND
TRPH (mg/kg)		41 I
LEAD (mg/kg)		5.6
NAPHTHALENE (mg/kg)		0.0010 U
1-METHYLNAPHTHALENE (mg/kg)		0.00087 U
2-METHYLNAPHTHALENE (mg/kg)		0.0012 U
BENZO(a)PYRENE EQUIVALENT (mg/kg)		0.003 U
OTHER SVOCs (mg/kg)		<SCTLs

SB-2		10/02/24
		4'-6'
OVA (ppm)		0.7
BENZENE (mg/kg)		0.00035 U
TOLUENE (mg/kg)		0.0021 U
ETHYLBENZENE (mg/kg)		0.00040 U
TOTAL XYLENES (mg/kg)		0.00077 U
MTBE (mg/kg)		0.00044 U
ISOPROPYLBENZENE (mg/kg)		0.0058 I
OTHER VOCs (mg/kg)		ND
TRPH (mg/kg)		240
LEAD (mg/kg)		43
NAPHTHALENE (mg/kg)		0.013
1-METHYLNAPHTHALENE (mg/kg)		0.0094
2-METHYLNAPHTHALENE (mg/kg)		0.011
BENZO(a)PYRENE EQUIVALENT (mg/kg)		2.2
OTHER SVOCs (mg/kg)		<SCTLs

SB-4		09/24/24
		10'-12'
OVA (ppm)		0.0
BENZENE (mg/kg)		0.00041 U
TOLUENE (mg/kg)		0.0024 U
ETHYLBENZENE (mg/kg)		0.00047 U
TOTAL XYLENES (mg/kg)		0.0009 U
MTBE (mg/kg)		0.00051 U
ISOPROPYLBENZENE (mg/kg)		0.00044 U
OTHER VOCs (mg/kg)		ND
TRPH (mg/kg)		26 U
LEAD (mg/kg)		5.80
NAPHTHALENE (mg/kg)		0.0011 U
1-METHYLNAPHTHALENE (mg/kg)		0.0014 I
2-METHYLNAPHTHALENE (mg/kg)		0.0013 U
BENZO(a)PYRENE EQUIVALENT (mg/kg)		0.007
OTHER SVOCs (mg/kg)		<SCTLs

SB-3		10/02/24
		4'-6'
OVA (ppm)		0.4
BENZENE (mg/kg)		0.00044 U
TOLUENE (mg/kg)		0.0027 U
ETHYLBENZENE (mg/kg)		0.00052 U
TOTAL XYLENES (mg/kg)		0.00098 U
MTBE (mg/kg)		0.00056 U
ISOPROPYLBENZENE (mg/kg)		0.00048 U
OTHER VOCs (mg/kg)		ND
TRPH (mg/kg)		26 I
LEAD (mg/kg)		9.2
NAPHTHALENE (mg/kg)		0.0011 I
1-METHYLNAPHTHALENE (mg/kg)		0.00093 U
2-METHYLNAPHTHALENE (mg/kg)		0.0013 U
BENZO(a)PYRENE EQUIVALENT (mg/kg)		0.02 U
OTHER SVOCs (mg/kg)		<SCTLs

LEGEND:

- SOIL BORING / MONITORING WELL LOCATION
- 2.2** VALUE IN RED EXCEEDS FDEP SOIL CLEANUP LEVEL (SCTL)
- (mg/kg) MILLIGRAMS PER KILOGRAM
- VOCs VOLATILE ORGANIC COMPOUNDS
- SVOCs SEMIOLATILE ORGANIC COMPOUNDS
- ND NON DETECT
- U NOT DETECTED
- I VALUE BETWEEN METHOD DETECTION LIMIT AND PRACTICAL QUANTITATION LIMIT

SOURCE: ESRI WORLD IMAGERY

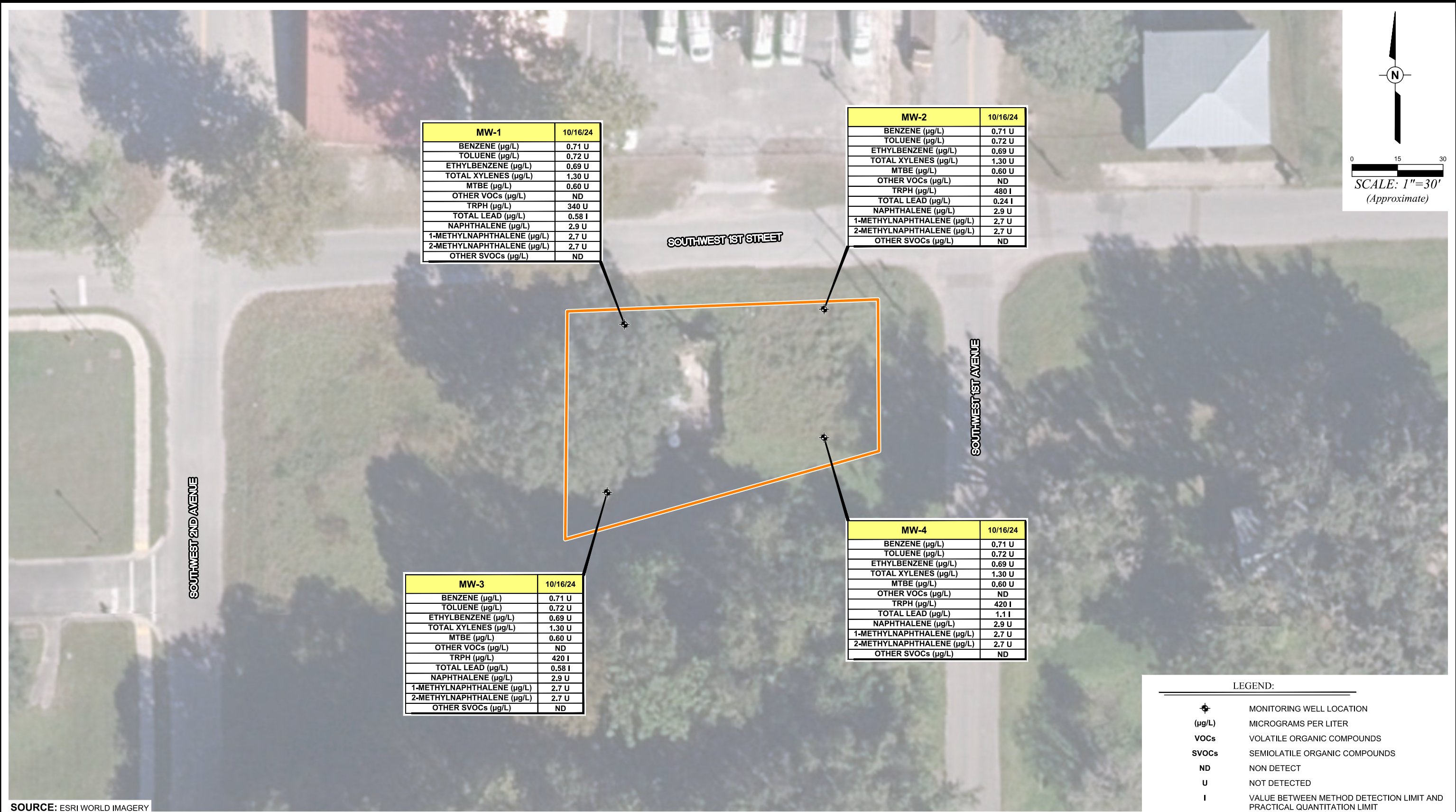
PPM CONSULTANTS, INC. www.ppmco.com	
DRAWN BY: BWH	DRAWN DATE: 11/08/24
PROJECT NUMBER: 20165101	PHASE: TASK 21

UNION COUNTY, FLORIDA  
 VACANT COUNTY PARCEL  
 SOUTHWEST CORNER OF SOUTHWEST 1ST  
 STREET AND SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

CHEMICALS OF POTENTIAL CONCERN CONCENTRATIONS IN SOIL

FIGURE  
NUMBER

5



MW-1	10/16/24
BENZENE (µg/L)	0.71 U
TOLUENE (µg/L)	0.72 U
ETHYLBENZENE (µg/L)	0.69 U
TOTAL XYLENES (µg/L)	1.30 U
MTBE (µg/L)	0.60 U
OTHER VOCs (µg/L)	ND
TRPH (µg/L)	340 U
TOTAL LEAD (µg/L)	0.58 I
NAPHTHALENE (µg/L)	2.9 U
1-METHYLNAPHTHALENE (µg/L)	2.7 U
2-METHYLNAPHTHALENE (µg/L)	2.7 U
OTHER SVOCs (µg/L)	ND

MW-2	10/16/24
BENZENE (µg/L)	0.71 U
TOLUENE (µg/L)	0.72 U
ETHYLBENZENE (µg/L)	0.69 U
TOTAL XYLENES (µg/L)	1.30 U
MTBE (µg/L)	0.60 U
OTHER VOCs (µg/L)	ND
TRPH (µg/L)	480 I
TOTAL LEAD (µg/L)	0.24 I
NAPHTHALENE (µg/L)	2.9 U
1-METHYLNAPHTHALENE (µg/L)	2.7 U
2-METHYLNAPHTHALENE (µg/L)	2.7 U
OTHER SVOCs (µg/L)	ND

MW-3	10/16/24
BENZENE (µg/L)	0.71 U
TOLUENE (µg/L)	0.72 U
ETHYLBENZENE (µg/L)	0.69 U
TOTAL XYLENES (µg/L)	1.30 U
MTBE (µg/L)	0.60 U
OTHER VOCs (µg/L)	ND
TRPH (µg/L)	420 I
TOTAL LEAD (µg/L)	0.58 I
NAPHTHALENE (µg/L)	2.9 U
1-METHYLNAPHTHALENE (µg/L)	2.7 U
2-METHYLNAPHTHALENE (µg/L)	2.7 U
OTHER SVOCs (µg/L)	ND

MW-4	10/16/24
BENZENE (µg/L)	0.71 U
TOLUENE (µg/L)	0.72 U
ETHYLBENZENE (µg/L)	0.69 U
TOTAL XYLENES (µg/L)	1.30 U
MTBE (µg/L)	0.60 U
OTHER VOCs (µg/L)	ND
TRPH (µg/L)	420 I
TOTAL LEAD (µg/L)	1.1 I
NAPHTHALENE (µg/L)	2.9 U
1-METHYLNAPHTHALENE (µg/L)	2.7 U
2-METHYLNAPHTHALENE (µg/L)	2.7 U
OTHER SVOCs (µg/L)	ND

LEGEND:

	MONITORING WELL LOCATION
(µg/L)	MICROGRAMS PER LITER
VOCs	VOLATILE ORGANIC COMPOUNDS
SVOCs	SEMI-VOLATILE ORGANIC COMPOUNDS
ND	NON DETECT
U	NOT DETECTED
I	VALUE BETWEEN METHOD DETECTION LIMIT AND PRACTICAL QUANTITATION LIMIT

SOURCE: ESRI WORLD IMAGERY

PPM CONSULTANTS, INC. www.ppmco.com	
DRAWN BY: BWH	DRAWN DATE: 11/08/24
PROJECT NUMBER: 20165101	PHASE: TASK 21

UNION COUNTY, FLORIDA  
 VACANT COUNTY PARCEL  
 SOUTHWEST CORNER OF SOUTHWEST 1ST  
 STREET AND SOUTHWEST 1ST AVENUE  
 LAKE BUTLER, FLORIDA 32054

DISSOLVED CHEMICALS OF POTENTIAL CONCERN  
 CONCENTRATIONS IN GROUNDWATER

FIGURE  
 NUMBER  
**6**

## TABLES

**TABLE 1: ORGANIC VAPOR DATA**

**Facility Name: Union County Vacant Parcel, SWC SW 1st Street and SW 1st Avenue, Lake Butler, Florida**

SAMPLE				OVA	COMMENTS
LOCATION ID	DATE COLLECTED	DEPTH TO WATER (FBGS)	SAMPLE INTERVAL (FBGS)	READING (ppm)	
SB-1	10/02/24	~14	1	0.0	
			2	0.0	
			3	0.0	
			4	0.0	
			6	0.0	
			7	0.0	
			8	0.0	
			10	0.0	Lab sample, 10 to 12 feet
			12	0.0	
			14	0.0	
SB-2	10/02/24	~7	1	0.0	
			2	0.0	
			3	0.0	
			4	0.7	Lab sample, 4 to 6 feet
			5	0.6	
			6	0.0	
			8	0.7	
			10	0.0	
SB-3	10/02/24	~10	1	0.0	
			2	0.0	
			3	0.0	
			4	0.0	
			6	0.4	Lab sample, 4 to 6 feet
			8	0.0	
			10	0.0	
SB-4	09/24/24	~12	1	0.4	
			2	0.0	
			3	0.0	
			4	0.0	
			6	0.0	
			8	0.0	
			10	0.0	Lab sample, 10 to 12 feet
			12	0.0	
			14	0.0	
			16	0.0	
			18	0.0	
			20	0.0	

**Notes:** OVA = Organic Vapor Analyzer- Tiger Ion Phocek Photoionization detector  
 FBGS = Feet Below Ground Surface  
 --- = Not measured  
 ppm = parts per million

**TABLE 2A: SOIL ANALYTICAL SUMMARY - VOCs, TRPH, AND LEAD**

Facility Name: Union County Vacant Parcel, SWC SW 1st Street and SW 1st Avenue

All results in milligrams per kilogram (mg/kg)

SAMPLE ID	DATE COLLECTED	SAMPLE DEPTH (fbgs)	Depth to Water (fbgs)	NET OVA READING (ppm)	BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	ISOPROPYL-BENZENE	OTHER VOCs	TRPH	LEAD
FDEP Leachability-Based SCTL					0.007	0.5	0.6	0.2	0.09	0.20	*	340	**
FDEP Residential Direct Exposure (DE)-Based SCTL					1.2	7,500	1,500	130	4,400	220	*	460	400
FDEP Commercial / Industrial DE-Based SCTL					1.7	60,000	9,200	700	24,000	1,200	*	2,700	1,400
SB-1	10/02/24	10-12	~14	0.0	0.00039 U	0.0023 U	0.00045 U	0.00086 U	0.00049 U	0.00042 U	Non Detect	41 I	5.6
SB-2	10/02/24	4-6	~7	0.7	0.00035 U	0.0021 U	0.00040 U	0.00077 U	0.00044 U	0.0058 I	Non Detect	240	43
SB-3	10/02/24	4-6	~10	0.4	0.00044 U	0.0027 U	0.00052 U	0.00098 U	0.00056 U	0.00048 U	Non Detect	26 I	9.2
SB-4	09/24/24	10-12	~12	0.0	0.00041 U	0.0024 U	0.00047 U	0.00089 U	0.00051 U	0.00044 U	Non Detect ***	26 U	5.80

**Notes:** fbgs = feet below ground surface  
 ppm = Parts per million  
 OVA = organic vapor analyser  
 MTBE = Methyl tertiary butyl ether  
 TRPH = Total Recoverable Petroleum Hydrocarbons  
 VOC - Volatile Organic Compound  
 U = Non Detect  
 -- = Not analysed  
 NC = Not collected

\* = Individual VOC results shown in laboratory report with SCTLs shown in Table II, Chapter 62-777 of the FAC  
 \*\* Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs or may be determined using TCLP in the event oily wastes are present.  
 \*\*\* All VOC results below their respective GCTLs and/or Laboratory Minimum Detection Limits (MDL), except for chloroform, a lab contaminant. The values for chloroform were all below its SCTL. of 0.4 mg/kg. Non-Detect = Value reported was below its laboratory minimum detection limit

**Bold/red type** indicates that the concentration exceeds its FDEP Soil Cleanup Target Level  
 SCTL = Soil Cleanup Target Level per Table II, Chapter 62-777 of the Florida Administrative Code (FAC)  
 I = Value between laboratory practical quantitation and method detection limits.

**TABLE 2B: SOIL ANALYTICAL SUMMARY - SVOCs AND PAHS**

Facility Name: Union County Vacant Parcel, SW SW 1st Street and SW 1st Avenue, Lake Butler, Florida

All results in milligrams per kilogram (mg/kg)

SAMPLE ID	DATE COLLECTED	SAMPLE DEPTH (fbgs)	DEPTH TO WATER (fbgs)	NET OVA READING (ppm)	Non-PAH SVOCs	NAPH-THALENE	1-METHYL-NAPH-THALENE	2-METHYL-NAPH-THALENE	ACENAPH-THENE	ACENAPH-THYLENE	ANTH-RACENE	BENZO (a) ANTH-RACENE	BENZO (a) PYRENE	BENZO (b) FLUOR-ANTHENE	BENZO (g,h,i) PERYLENE	BENZO (k) FLUOR-ANTHENE	CHRYSENE	DIBENZO (a,h) ANTH-RACENE	FLUOR-ANTHENE	FLUORENE	INDENO (1,2,3-cd) PYRENE	PHENANTHRENE	PYRENE	BENZO (a) PYRENE EQUIVALENT
FDEP Leachability-Based SCTL					*	1.2	3.1	8.5	2.1	27	2500	0.8	8	2.4	32,000	24	77	0.7	1,200	160	6.6	250	880	8
FDEP Residential Direct Exposure (DE) -Based SCTL					*	55	200	210	2,400	1,800	21,000	#	0.1	#	2,500	#	#	#	3,200	2,600	#	2,200	2,400	0.1
FDEP Commercial / Industrial DE-Based SCTL					*	300	1,800	21,000	20,000	20,000	300,000	#	0.7	#	52,000	#	#	#	59,000	33,000	#	36,000	45,000	0.7
SB-1	10/02/24	10-12	~14	0.0	Non Detect	0.0010 U	0.00087 U	0.0012 U	0.00074 U	0.0015 U	0.0013 U	0.0071 U	0.0014 U	0.0045 U	0.0026 U	0.0019 U	0.0088 U	0.0026 U	0.0019 U	0.00078 U	0.0026 U	0.00091 U	0.0046 U	0.007 U
SB-2	10/02/24	4-6	~7	0.7	<GCTLS	0.013	0.0094	0.011	0.0082 U	0.50	0.34	1.1	1.2	4.5	1.1	0.93	1.5	0.33	1.2	0.030	0.98	0.079	2.1	2.2
SB-3	10/02/24	4-6	~10	0.4	Non Detect	0.0011 I	0.00093 U	0.0013 U	0.00078 U	0.0063	0.0018 I	0.0075 U	0.0067	0.014	0.0045	0.0020 U	0.0094 U	0.0027 U	0.0087	0.0015 I	0.0033 I	0.0029 I	0.0079 I	0.02
SB-4	09/24/24	10-12	~12	0.0	Non Detect	0.0011 U	0.0014 I	0.0013 U	0.00078 U	0.0034 I	0.0042	0.0075 U	0.0039 I	0.011 I	0.0027 U	0.0040	0.0093 U	0.0027 U	0.0043	0.00082 U	0.0027 U	0.0028 I	0.0049 U	0.02

Notes: fbgs = feet below ground surface

OVA = organic vapor analyzer

U = Not Detected

PAH = Polycyclic aromatic hydrocarbons. SVOC = Semivolatile organic compounds

ppm = parts per million

I = Value between method detection limit and practical quantitation limit

# = Concentrations must be converted to Benzo (a) pyrene equivalents (EQ) and compared to the direct exposure CTL for Benzo (a) pyrene. See next pages for B(a)P conversion tables

--- = Not analyzed for this compound

Benzo(a)pyrene [(B(a)P)] equivalent compound value calculated on the attached B(a)P Conversion tables

**Bold/red type** indicates that the concentration exceeds its FDEP Soil Cleanup Target Level

SCTL = Soil Cleanup Target Level per Table II, Chapter 62-777 of the Florida Administrative Code (FAC)

\* = Individual SVOC results shown in laboratory report with SCTLs shown in Table II, Chapter 62-777 of the FAC

SVOC - Semivolatile Organic Compound

Non-Detect = Value reported was below its laboratory minimum detection limit

## Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Union County Vacant Parcel  
 Location: Lake Butler, Florida  
 Facility/Site ID No.: Not applicable

---

Soil Sample No. SB-1 (10-12')  
 Sample Date 10/2/2024  
 Location: NW Corner of Site  
 Depth (ft): 10 to 12

**INSTRUCTIONS:** Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a “J”, “T” or “I” qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the “J” qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the “U” qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the “T” qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the “I” qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the “M” qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.001	1.0	0.0007
Benzo(a)anthracene	0.004	0.1	0.0004
Benzo(b)fluoranthene	0.002	0.1	0.0002
Benzo(k)fluoranthene	0.001	0.01	0.0000
Chrysene	0.004	0.001	0.0000
Dibenz(a,h)anthracene	0.001	1.0	0.0013
Indeno(1,2,3-cd)pyrene	0.001	0.1	0.0001

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

**Total Benzo(a)pyrene Equivalents = 0.003**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

## Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Union County Vacant Parcel  
 Location: Lake Butler, Florida  
 Facility/Site ID No.: Not applicable

---

Soil Sample No. SB-2 (4-6')  
 Sample Date 10/2/2024  
 Location: NE Corner of Site  
 Depth (ft): 4 to 6

**INSTRUCTIONS:** Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a “J”, “T” or “I” qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the “J” qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the “U” qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the “T” qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the “I” qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the “M” qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	1.200	1.0	1.2000
Benzo(a)anthracene	1.100	0.1	0.1100
Benzo(b)fluoranthene	4.500	0.1	0.4500
Benzo(k)fluoranthene	0.930	0.01	0.0093
Chrysene	1.500	0.001	0.0015
Dibenz(a,h)anthracene	0.330	1.0	0.3300
Indeno(1,2,3-cd)pyrene	0.980	0.1	0.0980

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

**Total Benzo(a)pyrene Equivalents = 2.199**

**The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.**

**The concentration shown EXCEEDS the Industrial Direct Exposure SCTL of 0.7 mg/kg.**

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

## Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Union County Vacant Parcel  
 Location: Lake Butler  
 Facility/Site ID No.: Not applicable  
 \_\_\_\_\_  
 Soil Sample No. SB-3 (4-6')  
 Sample Date 10/2/2024  
 Location: SE Corner of Site  
 Depth (ft): 4 to 6

**INSTRUCTIONS:** Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a “J”, “T” or “I” qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the “J” qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the “U” qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the “T” qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the “I” qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the “M” qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.007	1.0	0.0067
Benzo(a)anthracene	0.004	0.1	0.0004
Benzo(b)fluoranthene	0.014	0.1	0.0014
Benzo(k)fluoranthene	0.001	0.01	0.0000
Chrysene	0.005	0.001	0.0000
Dibenz(a,h)anthracene	0.014	1.0	0.0135
Indeno(1,2,3-cd)pyrene	0.003	0.1	0.0003

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

**Total Benzo(a)pyrene Equivalents = 0.022**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

## Benzo(a)pyrene Conversion Table

For Direct Exposure Soil Cleanup Target Levels

Facility/Site Name: Union County Vacant Parcel  
 Location: Lake Butler, Florida  
 Facility/Site ID No.: Not applicable

---

Soil Sample No. SB-4 (10-12')  
 Sample Date 9/24/2024  
 Location: SE Corner of Site  
 Depth (ft): 10 to 12

**INSTRUCTIONS:** Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.004	1.0	0.0039
Benzo(a)anthracene	0.004	0.1	0.0004
Benzo(b)fluoranthene	0.011	0.1	0.0011
Benzo(k)fluoranthene	0.004	0.01	0.0000
Chrysene	0.005	0.001	0.0000
Dibenz(a,h)anthracene	0.001	1.0	0.0014
Indeno(1,2,3-cd)pyrene	0.001	0.1	0.0001

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

**Total Benzo(a)pyrene Equivalents = 0.007**

The concentration shown does not exceed the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	Concentration Reported	Data Qualifier	Enter
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

TABLE 2C: SB-2, B(a)P FORENSIC EVALUATION

Facility Name: Union County Vacant Parcel, SWC SW 1st Street and SW 1st Avenue, Lake Butler, Florida

Data Parameters						Forensic Evaluation Indicators					
Polycyclic Aromatic Hydrocarbon (PAH)	Molecular Weight	Rings	Combustible	Sample Value (mg/kg)	Sample Value (mg/kg)	Sample SB-2 (4-6')	LMW / HMW**	COMB / TOTAL**	FLA / (FLA +PYR)*	B(a)A / (B(a)A +Chr)*	I123P / (I123P+BghiP)*
Naphthalene	LMW	2			0.013	Numerator	0.90422	14.61	1.2	1.1	0.98
1-Methylnaphthalene	LMW	2			0.0094	Denominator	14.94	15.85212	3.3	2.6	2.08
2-Methylnaphthalene	LMW	2			0.011	Calculated Value	0.06	0.92	0.36	0.42	0.47
ACENAPH-THENE	LMW	3			0.00082		Pyrogenic	Pyrogenic	Petrogenic	Pyrogenic	Pyrogenic
ACENAPH-THYLENE	LMW	3			0.5						
ANTH-RACENE	LMW	3			0.34	Petrogenic *	>1	<0.8	<0.4	<0.2	<0.2
BENZO (a) ANTH-RAC	HMW	4	C	1.1	1.1	Pyrogenic *	<1	>1	>0.4	>0.2	>0.2
BENZO (a) PYRENE	HMW	5	C	1.2	1.2	<p><b>Evaluation: Four of five indicator values show a pyrogenic source; therefore, the B(a)P equivalent compound concentration measured in the SB-2 (4-6') sample is evaluated as having a <u>pyrogenic source</u>, not a petroleum source.</b></p> <p>Total Benzo(a)pyrene [(B(a)P] equivalent compound value of SB-2 (4-6') is 2.2 mg/kg, exceeding its Florida Department of Environmental Protection Direct Exposure Soil Cleanup Target Level of 0.149 mg/kg</p>					
BENZO (b) FLUOR-AN	HMW	5	C	4.5	4.5						
BENZO (g,h,i) perylene	HMW	5	C	1.1	1.1						
BENZO (k) FLUOR-AN	HMW	5	C	0.93	0.93						
CHRYSENE	HMW	4	C	1.5	1.5						
DIBENZO (a,h)anthracene	HMW	5		0.33	0.33						
FLUOR-ANTHENE	HMW	4	C	1.2	1.2						
FLUORENE	LMW	3			0.03						
Indeno(1,2,3-cd) PYREI	HMW	6	C	0.98	0.98						
PHENAN-THRENE	LMW	3			0.0079						
Pyrene	HMW	4	C	2.1	2.1						
Totals				14.61	<b>15.85</b>	<p>Notes: LMW = Low Molecular Weight      B(a)A = Benzo (a) anthracene                      HMW = High Molecular Weight      CHR = Chrysene                      COMB = Combustible      I123P = indeno(1,2,3-cd)pyrene                      FLA = Fluoranthene      BghiP = Benzo(g,h,i)perylene                      PYR = Pyrene      mg/kg = milligrams per kilogram                      Pyrogenic = Produced by combustion or heat</p>					

<p><b>* Source:</b> Benzo[A]Pyrene: What It Is, Occurrences, Paths To Site Closure And Draft Sampling Methodology                      Jerry Cook PG; Paul Angelillo, RG; Ken Busen, PG                      Petroleum Restoration Program/Division of Waste Management                      Florida Department of Environmental Protection                      Tallahassee, FL, February 22, 2024</p>	<p><b>** Source:</b> Forensic Site Investigation Report                      Estate of John H Clark                      900 W 15th Street, Riviera Beach, County, Florida                      Facility ID No 50/8735882                      July 16, 2020                      GHD, 5904 Hampton Oaks Parkway, Suite F, Tampa, Florida 33610</p>
---	---

**Data Formulas for Molecular Weight and Combustion**

**\*\***

**5.6.1 Low Molecular Weight/High Molecular Weight (LMW/HMW)**

This ratio is the sum of two and three ring PAHs (LMW) divided by the sum of the four and five ring PAHs (HMW). If the ratio is smaller than 1.0, the source is considered pyrogenic. If the ratio is greater than 1.0, the source is considered petrogenic. (Zhang et al., 2008, as cited in Tobiszewski and Namiesnik, 2011).

$$\frac{LMW}{HMW} = \frac{NP + FL + PHE}{BaA + FLA + PYR + CHR + BaP + BeP + DahA + PER}$$

**5.6.2 Combustion (COMB)/TOTAL**

This ratio indicates the percentage of PAHs that are most likely due to combustion. If the ratio is very close to 1.0, it is an indication that almost all of the PAHs detected are from a pyrogenic source. If the ratio is 0.8 and lower, it is an indication that at least 20% of the PAHs are petrogenic because this would represent an amount of petrogenic PAHs that cannot be neglected (Ravindra et al., 2008a, as cited in Tobiszewski and Namiesnik, 2011).

$$\frac{COMB}{TOTAL} = \frac{FLA + PYR + BaA + CHR + BjkF + BbF + BaP + Icdp + BghiP}{FLA + PYR + BaA + CHR + BjkF + BbF + BaP + Icdp + BghiP + NP + PHE + DO + FLU + BaF + BeP + PER + Daba + BF}$$

**TABLE 3: GROUNDWATER DEPTH TO WATER**

**Facility Name: Union County Vacant Parcel, SWC SW 1st Street and SW 1st Avenue, Lake Butler, Florida**

WELL ID	MW-1			MW-2			MW-3			MW-4		
DIAMETER (inches)	2			2			2			2		
WELL DEPTH (feet BTOC)	20			20			20			20		
SCREEN INTERVAL (feet BTOC)	10 - 20			10 - 20			10 - 20			10 - 20		
TOC ELEVATION (feet)	NM			NM			NM			NM		
DATE	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP	ELEV	DTW	FP
10/16/24	NM	6.21	0.00	NM	6.34	0.00	NM	6.63	0.00	NM	6.59	0.00

**Notes:** BTOC = Below top of casing  
 FP = Thickness of free product measured in feet  
 --- = Not Measured  
 DTW = Depth to water in feet below TOC  
 NM = Not measured  
 Elev - Elevation

**TABLE 4A: GROUNDWATER ANALYTICAL SUMMARY - VOCs, TRPH, AND LEAD**

Facility Name: Union County Vacant Parcel, SWC SW 1st Street and SW 1st Avenue, Lake Butler, Florida

All results in micrograms per Liter (ug/L)

SAMPLE		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	MTBE	OTHER VOCs	TRPH	TOTAL LEAD
LOCATION	DATE								
Table I GCTL		<b>1</b>	<b>40</b>	<b>30</b>	<b>20</b>	<b>20</b>	*	<b>5,000</b>	<b>15</b>
Table V NADC		<b>100</b>	<b>400</b>	<b>300</b>	<b>200</b>	<b>200</b>	*	<b>50,000</b>	<b>150</b>
MW-1	10/16/24	0.71 U	0.72 U	0.69 U	1.30 U	0.60 U	Non Detect	340 U	0.58 I
MW-2	10/16/24	0.71 U	0.72 U	0.69 U	1.30 U	0.60 U	Non Detect	480 I	0.24 U
MW-3	10/16/24	0.71 U	0.72 U	0.69 U	1.30 U	0.60 U	Non Detect	420 I	0.58 I
MW-4	10/16/24	0.71 U	0.72 U	0.69 U	1.30 U	0.60 U	Non Detect	420 I	1.1 I

**Notes:** MTBE = Methyl tertiary butyl ether

TRPH = Total Recoverable Petroleum Hydrocarbons

U = Below Detection Limit

Non Detect = Value reported was laboratory minimum detection limit

I = Value between method detection limit and practical quantitation limit

**Bold/red type** indicates that the concentration exceeds its FDEP GCTL

GCTL = FDEP Groundwater Cleanup Target Level per Table 1, Chapter 62-777 of the Florida Administrative Code (F.A.C.)

NADC = FDEP Natural Attenuation Default Concentration per Table 5, Chapter 62-777 of the F.A.C.

**TABLE 4B: GROUNDWATER ANALYTICAL SUMMARY - SVOCs AND PAHS**

Facility Name: Union County Vacant Parcel, SW SW 1st Street and SW 1st Avenue, Lake Butler, Florida

All Concentrations in micrograms per Liter (µg/L)

SAMPLE		SVOCs	NAPH- THALENE	1-METHYL NAPH- THALENE	2-METHYL NAPH- THALENE	ACENAPH- THENE	ACENAPH- THYLENE	ANTHRA- CENE	BENZO(a)- ANTHRA-CENE	BENZO(a)- PYRENE	BENZO(b)- FLUOR- ANTHENE	BENZO(g,h,i)- PERYLENE	BENZO(k)- FLUOR- ANTHENE	CHRYSENE	DIBENZO (a,h)- ANTHRACENE	FLUOR- ANTHENE	FLUORENE	INDENO- (1,2,3-c,d)- PYRENE-	PHEN- ANTHRENE	PYRENE
LOCA- TION	DATE																			
<b>Table I GCTL</b>		*	<b>14</b>	<b>28</b>	<b>28</b>	<b>20</b>	<b>210</b>	<b>2100</b>	<b>0.05</b>	<b>0.2</b>	<b>0.05</b>	<b>210</b>	<b>0.5</b>	<b>4.8</b>	<b>0.005</b>	<b>280</b>	<b>280</b>	<b>0.05</b>	<b>210</b>	<b>210</b>
<b>Table V NADC</b>		*	<b>140</b>	<b>280</b>	<b>280</b>	<b>200</b>	<b>2,100</b>	<b>21,000</b>	<b>5</b>	<b>20</b>	<b>5</b>	<b>2,100</b>	<b>50</b>	<b>480</b>	<b>0.5</b>	<b>2,800</b>	<b>2,800</b>	<b>5</b>	<b>2,100</b>	<b>2,100</b>
<b>MW-1</b>	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U
<b>MW-2</b>	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U
<b>MW-3</b>	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U
<b>MW-4</b>	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U

**Notes:** SVOC analyses by USEPA Method 8270E by Gas Chromatography / Mass Spectrometry (which results in higher laboratory minimum detection limits for some analytes than analyses by USEPA Method 8270D-SIM)

U = Not Detected

I = Value between method detection limit and practical quantitation limit

GCTL = Groundwater Cleanup Target Level per Chapter 62-777, Table I of the Florida Administrative Code (F.A.C.)

NADC = Natural Attenuation Default Source Concentration per Chapter 62-777, Table V of the F.A.C.

**Bold/red type** indicates that the concentration exceeds its FDEP GCTL

Non Detect = Value reported was laboratory minimum detection limit

Per the FDEP PRP's May 14, 2007 memorandum Quality Assurance and Related Issues, "If Benzo(a)anthracene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene are not detected, or if one of more are detected but their concentrations do not exceed their respective PQLs, it is considered that the alternative groundwater CTLs are met even if the risk-based groundwater CTLs referenced in Table I of Chapter 62-777, F.A.C. are lower than the PQL". For these wells, all four wells were not detected for these compounds with the method detection limit being above their respective groundwater CTLs; therefore the alternative groundwater CTLs are met per the May 14, 2007 memorandum.

**TABLE 4B: GROUNDWATER ANALYTICAL SUMMARY - SVOCs AND PAHS**

Facility Name: Union County Vacant Parcel, SWC SW 1st Street and SW 1st Avenue, Lake Butler, Florida

All Concentrations in micrograms per Liter (µg/L)

SAMPLE		SVOCs	NAPH-THALENE	1-METHYL NAPH-THALENE	2-METHYL NAPH-THALENE	ACE-NAPH-THENE	ACE-NAPH-THYLENE	ANTHRA-CENE	BENZO(a) ANTHRA-CENE	BENZO(a)-PYRENE	BENZO(b)-FLUOR-ANTHENE	BENZO(g,h,i)-PERYLENE	BENZO(k)-FLUOR-ANTHENE	CHRYSENE	DIBENZO (a,h)-ANTHRA-CENE	FLUOR-ANTHENE	FLUORENE	INDENO (1,2,3-c,d) PYRENE	PHEN-ANTHRENE	PYRENE
LOCA-TION	DATE																			
Table I GCTL		*	14	28	28	20	210	2100	0.05	0.2	0.05	210	0.5	4.8	0.005	280	280	0.05	210	210
Table V NADC		*	140	280	280	200	2,100	21,000	5	20	5	2,100	50	480	0.5	2,800	2,800	5	2,100	2,100
MW-1	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U
MW-2	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U
MW-3	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U
MW-4	10/16/24	Non Detect	2.9 U	2.7 U	2.7 U	2.8 U	2.9 U	2.8 U	3.0 U	2.8 U	3.1 U	2.6 U	2.7 U	2.8 U	2.6 U	2.7 U	2.6 U	2.8 U	2.7 U	2.4 U

**Notes:** SVOC analyses by USEPA Method 8270E by Gas Chromatography / Mass Spectrometry (which results in higher laboratory minimum detection limits for some analytes then analyses by USEPA Method 8270D-SIM)

U = Not Detected

I = Value between method detection limit and practical quantitation limit

GCTL = Groundwater Cleanup Target Level per Chapter 62-777, Table I of the Florida Administrative Code (F.A.C.)

NADC = Natural Attenuation Default Source Concentration per Chapter 62-777, Table V of the F.A.C.

**Bold/red type** indicates that the concentration exceeds its FDEP GCTL

Non Detect = Value reported was laboratory minimum detection limit

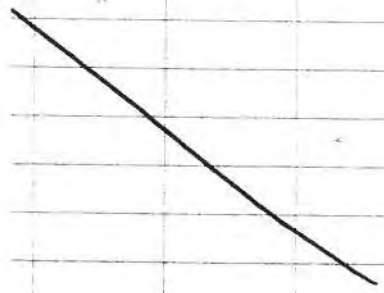
Per the FDEP PRP's May 14, 2007 memorandum Quality Assurance and Related Issues, "If Benzo(a)anthracene, Benzo(b)fluoranthene, Dibenz(a,h)anthracene, and Indeno(1,2,3-cd)pyrene are not detected, or if one of more are detected but their concentrations do not exceed their respective PQLs, it is considered that the alternative groundwater CTLs are met even if the risk-based groundwater CTLs referenced in Table I of Chapter 62-777, F.A.C. are lower than the PQL". For these wells, all four wells were not detected for these compounds with the method detection limit being above their respective groundwater CTLs; therefore the alternative groundwater CTLs are met per the May 14, 2007 memorandum.

## **APPENDICES**

**APPENDIX A – FIELD NOTES, SOIL BORING LOGS,  
WELL CONSTRUCTION LOGS, GROUNDWATER SAMPLING LOGS, AND  
EQUIPMENT CALIBRATION LOGS**

CR 471 Date 9/23/21  
0 2719103580

w-3R  
meters  
MW-3R  
to MW-11  
gins  
meters  
MW-11  
system  
for ice and  
imples  
home & mileage  
1/2 mile



Location Vacant Parcel Date 9/24/21 55  
Project / Client 20165101-21

Weather Sunny 90° F

Activity - well installation  
PPM Personnel: Jeff Ferrell  
707 - left home for site  
in Dodge Ram mileage to 10255  
930 arrived on-site  
950 - beginning drilling SB 4  
1110 - casing installed  
1115 - SB 4 sampled at 10-12)  
9T  
1125 - mobilized to SB - YMW-1  
1130 - drilling of MW-1 begins  
1150 - hydraulic pressure lost  
on rig spilled out of  
machine  
- development of MW-4  
completed - 25 gallons  
no odor  
1215 - well pad for MW-4 being  
constructed  
1315 - left site for ice for sample and  
home  
1410 - arrived at home mileage  
40697

40697 JF  
40697

Rite in the Rain



# BORING LOG

Boring/Well Number: SA-17 MW-1		FDEP Facility Identification Number: —			Site Name: Vacant Parcel		Borehole Start Date: 9/02/24		End Date: 10/2/24			
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
HSA						0.0	13	off white clay (-12-20)	CLM			
							14					
							15					
							16					
							17					
							18					
							19					
							20					
							21					
							22					
							23					
							24					
							25					
							26					
							27					
							28					
							29					
							30					

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings  
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

## BORING LOG

Boring/Well Number: <b>SB-2/MW7</b>		Permit Number: _____		FDEP Facility Identification Number: _____	
Site Name: <b>Vacant Parcel - Lake Butler</b>		Borehole Start Date: <b>10/2/24</b>	Borehole Start Time: <b>1505</b> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		
		End Date: <b>10/2/24</b>	End Time: _____ <input type="checkbox"/> AM <input type="checkbox"/> PM		
Environmental Contractor: <b>PPM</b>		Geologist's Name: <b>Jeff Ferretti</b>		Environmental Technician's Name: _____	
Drilling Company: <b>PDS</b>		Pavement Thickness (inches): _____	Borehole Diameter (inches): <b>3</b>		Borehole Depth (feet): <b>20</b>
Drilling Method(s): <b>HA, HSA</b>		Apparent Borehole DTW (in feet from soil moisture content): _____	Measured Well DTW (in feet after water recharges in well): _____		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
<b>HA</b>  <b>HSA</b>						0.0	1	Dk Gray silty sand CO = 3'	SS	D	
						0.0	2		SS	D	
						0.0	3		SS	M	
						0.7	4	Beige/Gray Silty Sand CO = 3'-4''	SC	M	
						0.6	5	Dan' Gray silty sand CO = 4-6'	SC	M	
						0.0	6		SS	W	
							7	Gray/Red clay CO = 6-10''	CL	S	
						0.7	8				
							9				
						0.0	10				
							11	off-white clay			
							12				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings  
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

# BORING LOG

Boring/Well Number: SB-2/MW-1		FDEP Facility Identification Number: —				Site Name: Vacant Parcel-LB		Borehole Start Date: 10/2/12		End Date: 10/2/12	
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
HA							13	off-white clay (10-20')	CL	S	
							14				
							15				
							16				
							17				
							18				
							19				
							20				
							21				
							22				
							23				
							24				
							25				
							26				
							27				
							28				
							29				
							30				

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings  
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

# BORING LOG

Boring/Well Number: <u>SB-3/MW-3</u>		Permit Number: <u>                    </u>		FDEP Facility Identification Number: <u>                    </u>	
Site Name: <u>Vacant Parcel - Lake Butler</u>		Borehole Start Date: <u>10/2/24</u>	Borehole Start Time: <u>1148</u> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
		End Date: <u>10/2/24</u>	End Time: <u>1419</u> <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		
Environmental Contractor: <u>PPM</u>		Geologist's Name: <u>Jeff Ferretti</u>		Environmental Technician's Name: <u>                    </u>	
Drilling Company: <u>PDS</u>		Pavement Thickness (inches): <u>                    </u>	Borehole Diameter (inches): <u>3</u>		Borehole Depth (feet): <u>20</u>
Drilling Method(s): <u>HA, HSA</u>		Apparent Borehole DTW (in feet from soil moisture content): <u>                    </u>	Measured Well DTW (in feet after water recharges in well): <u>                    </u>	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
<u>HA</u>       <u>HSA</u>						0.0	1	Gray silty sand (0-1')	SS	D		
						0.0	2		Gray / Beige fine sand (1'-6')	SS		D
						0.0	3					
						0.0	4					
						0.4	6					
						0.0	8					
							9	Beige sandy clay (8'-11')				W
							10					
							11					
								12				Sampled @ 4-6'

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings  
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

## BORING LOG

Boring Well Number: <b>SR-3/MW-3</b>			FDEP Facility Identification Number: <b>~</b>				Site Name: <b>Vacant Parcel</b>		Borehole Start Date: <b>10/12/21</b>		End Date: <b>10/12/21</b>	
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on UCS, odors, staining, and other remarks)	UCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)	
<b>HSN</b>							13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<p><b>Off-White clay (12-16')</b></p> <p style="text-align: center;">↓                      ↓</p> <p><b>Gray clay (16-20')</b></p> <p style="text-align: center;">↓                      ↓</p>	<b>CL</b>	<b>W</b>		

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings  
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

## BORING LOG

Boring/Well Number: <b>SB-4 / MW-4</b>		Permit Number: -		FDEP Facility Identification Number: -	
Site Name: <b>Vacant Parcel</b>		Borehole Start Date:		Borehole Start Time: <b>950</b> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
		End Date:		End Time: <b>1100</b> <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	
Environmental Contractor: <b>PPM</b>		Geologist's Name: <b>Jeff Ferretti</b>		Environmental Technician's Name: -	
Drilling Company: <b>PDS</b>		Pavement Thickness (inches):		Borehole Diameter (inches):	
				Borehole Depth (feet):	
Drilling Method(s): <b>HA, HSA</b>		Apparent Borehole DTW (in feet from soil moisture content):		Measured Well DTW (in feet after water recharges in well):	
				OVA (list model and check type): <b>Ion Tiger</b> <input type="checkbox"/> FID <input checked="" type="checkbox"/> PID	
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description <small>(include grain size based on USCS, odors, staining, and other remarks)</small>	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples <small>(list sample number and depth or temporary screen interval)</small>
<b>HA</b> <hr/> <b>HSA</b>				0.4			1	Silty sand, organics	SS	D	
				0.0			2	Med brown silty sand	SS	D	
				0.0			3		SS	D	
				0.0			4	Dk brown silty sand	SS	M	
				0.0			5				
				0.0			6	Beige fine sand	FS	M	
				0.0			7				
				0.0			8	Beige sandy clay	SC	M	
				0.0			9				
				0.0			10	Brown clay sandy	SCL	M	
				0.0			11				
				0.0			12		EL	W	

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings  
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

## BORING LOG

Boring/Well Number: <u>SB-4/MW-4</u>		FDEP Facility Identification Number: <u>—</u>			Site Name: <u>Vacant Parcel</u>		Borehole Start Date: <u>9/24/24</u> End Date: <u>9/24/24</u>				
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
<u>HA</u>				0.0			13	<p style="text-align: center;"><u>Med Brown sandy clay</u></p>	<u>CL W</u>		
				0.0		14					
				0.0		15					
				0.0		16					
				0.0		17					
				0.0		18					
				0.0		19					
				0.0		20					
						21					
						22					
						23					
						24					
						25					
						26					
						27					
						28					
						29					
						30					

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings  
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated





Location Vacant Parcel Date 10/2/21 59

Project / Client Proj # 20165101-21

Weather - 85°F

PPM Personnel: Jeff Ferretti  
Activity: Well Installation

545 - left home for site mileage

47073

806 - arrived on-site

815 - drillers from PDS arrive  
on-site

845 drilling SB-1/MW-1 begins

945 - screened SB-1

955 - sampled SB-1 @ 10-11'

1100 - casing being installed

1145 - 2x2' being constructed

- mobilized to SB-3A

1148 - drilling of SB-3 begins

1300 - screened samples from SB-3

1305 - collected sample @ 4-5' interval

1420 - casing installed for MW-3

1500 - mobilized to SB-2

1505 - start drilling MW-2

1540 - screened samples

1545 - sampled SB-2

1609 - development of MW-2  
begins

Location Vacant Parcels Date 10/2/24  
Project / Client 20165101-21

- 1639 - development of MW-3  
ended @ approximately 3 gallons  
1652 - development of MW-1 begins  
1722 - development completed  
1745 - casing added to MW-2  
1755 - MW-2 completed  
1810 - pad for MW-2 being constructed  
1930 - left site home  
1000 - arrived home mileage  
41403

*W. T. T.*

Location  
Project /

**WELL CONSTRUCTION AND DEVELOPMENT LOG**

WELL CONSTRUCTION DATA					
Well Number: <b>MW-1</b>	Site Name: <b>Vacant Parcel - Lake Butler</b>	FDEP Facility ID Number: <b>---</b>	Well Install Date: <b>9012124</b>		
Well Location and Type (Check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site, Private Property <input type="checkbox"/> Above-Ground (AO) <input type="checkbox"/> Below-Ground		Well Purpose: <input type="checkbox"/> Production Monitoring <input checked="" type="checkbox"/> Shallow Water Table Monitoring <input type="checkbox"/> Deep Aquifer or Deep Monitoring <input type="checkbox"/> Remediation or Other (Specify)		Well Header Method: <b>HA, HSA</b>	
Borehole Depth (feet): <b>20</b>	Well Depth (feet): <b>20</b>	Borehole Diameter (inches): <b>6.75</b>	Monitor Diameter (inches): <b>8</b>	Well Pail Size: <b>2</b> feet by <b>2</b> feet	
Pipe ID: <b>2" PVC</b>	Well Screen: <input type="checkbox"/> Full Length <input type="checkbox"/> Partial Length	Screen Size: <b>1.0.010</b>		Screen Start (feet): <b>10</b>	Screen End (feet): <b>10</b>
Screen ID: <b>2" PVC</b>	Screen Material: <input type="checkbox"/> Polypropylene <input type="checkbox"/> Polyethylene		Screen Length (feet): <b>10</b>	Screen Start (feet): <b>10</b>	Screen End (feet): <b>20</b>
Surface Casing Material: <input type="checkbox"/> Polypropylene <input type="checkbox"/> Polyethylene	Surface Casing ID (inches): <b>---</b>		Surface Casing Depth (feet): <b>---</b>	Surface Casing Start (feet): <b>---</b>	
Surface Casing Material: <input type="checkbox"/> Polypropylene <input type="checkbox"/> Polyethylene	Surface Casing ID (inches): <b>---</b>		Surface Casing Depth (feet): <b>---</b>	Surface Casing Start (feet): <b>---</b>	
Filter Pail Material and Size: <b>20/30 sand</b>	Proposed Filter Around Screen (if chosen): <input type="checkbox"/> Yes <input type="checkbox"/> No		Filter Pail Length (feet): <b>8</b>	Filter Pail Start (feet): <b>12</b>	Filter Pail End (feet): <b>20</b>
Filter Pail Seal Material and Size: <b>30/65 sand</b>	Filter Pail Seal Material: <b>Grout</b>		Filter Pail Seal Length (feet): <b>7</b>	Filter Pail Seal Start (feet): <b>1</b>	Filter Pail Seal End (feet): <b>8</b>
Surface Seal Material: <b>Grout</b>	Surface Seal Length (feet): <b>0</b>		Surface Seal Start (feet): <b>0</b>	Surface Seal End (feet): <b>20</b>	

WELL DEVELOPMENT DATA					
Well Development Date: <b>10/2/21</b>	Well Development Method (check one): <input type="checkbox"/> Open Borehole <input type="checkbox"/> Surge Pump <input checked="" type="checkbox"/> Perforator <input type="checkbox"/> Compressor Air				
Development of Pump (check one): <input checked="" type="checkbox"/> Success (P) <input type="checkbox"/> Other (Specify)	Development of Well (check one): <input type="checkbox"/> Completion <input checked="" type="checkbox"/> Standstill		Development Rate (gallons per minute): <b>13.89</b>		
Pumping Rate (gallons per minute): <b>~0.1</b>	Minimum Development of Open Water During Development (feet): <b>---</b>		Well Pail Full Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Pumping Conditions (check one): <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent	Total Development Water Removed (gallons): <b>3</b>	Development Duration (minutes): <b>30</b>	Development Water Drilled (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Water Appearance (color and odor) At Start of Development: <b>Brown, no odor</b>			Water Appearance (color and odor) At End of Development: <b>Clear, no odor</b>		

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

## WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA								
Well Number: <b>MW-2</b>		Site Name: <b>Vacant Parcel - Lake Butler</b>			FDLP Facility ID Number: <b>---</b>		Well Install Date: <b>90/12/24</b>	
Well Location and Type (check appropriate boxes) <input checked="" type="checkbox"/> Oil Spill <input type="checkbox"/> High Level Well <input type="checkbox"/> Oil Spill - Private Property <input type="checkbox"/> Storm Drain (AG) <input type="checkbox"/> In-use - Grad. <small>(If No. distinct from above, list details.)</small>				Well Purpose: <input type="checkbox"/> Batched Material <input checked="" type="checkbox"/> Station Water Table Monitoring <input type="checkbox"/> Environmental Data Monitoring <input type="checkbox"/> Remediation of Oil Spill(s)			Well Install Method: <b>HA, HSA</b>	
Borehole Depth (feet): <b>20</b>		Well Depth (feet): <b>20</b>	Borehole Diameter (inches): <b>6.75</b>	Minihole Diameter (inches): <b>8</b>	Well Pail Size: <b>2</b> gal by <b>2</b> feet			
Pipe In (Type/Size): <b>2" PVC</b>		Riser Screen: <input type="checkbox"/> Yes <input type="checkbox"/> No		Pipe Out (Type/Size): <b>10</b> gal by <b>10</b> feet		Screen In (Type/Size): <b>10</b> gal by <b>10</b> feet		
Screen In (Type/Size): <b>2" PVC</b>		Screen In Size: <b>1.0.010</b>		Screen In (Type/Size): <b>10</b> gal by <b>20</b> feet		Screen In (Type/Size): <b>10</b> gal by <b>20</b> feet		
Surface Casing Method: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary				Surface Casing ID (inches): <b>---</b>		Surface Casing Depth (feet): <b>---</b>		
1. Surface Casing Material: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary				2. Surface Casing ID (inches): <b>---</b>		3. Surface Casing Depth (feet): <b>---</b>		
4. Surface Casing Material: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary				5. Surface Casing ID (inches): <b>---</b>		6. Surface Casing Depth (feet): <b>---</b>		
Ultra-Fine Material and Size: <b>20/30 sand</b>		Proprietary Filter Material Source (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No			Ultra-Fine Depth (feet): From <b>8</b> feet to <b>12</b> feet			
Ultra-Fine Seal Material and Size: <b>30/65 sand</b>					Ultra-Fine Seal Depth (feet): From <b>1</b> feet to <b>8</b> feet			
Surface Seal Material: <b>Grout</b>					Surface Seal Depth (feet): From <b>0</b> feet to <b>7.20</b> feet			

WELL DEVELOPMENT DATA					
Well Development Date: <b>10/12/24</b>		Well Development Method (check one): <input type="checkbox"/> Manual <input type="checkbox"/> Pump <input checked="" type="checkbox"/> Compressed Air			
Development Pump Type (check one): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (specify)		Development Rate (gallons per minute): <b>~0.1</b>		Maximum Drawdown at Completion During Development (feet): <b>---</b>	
Development Duration (minutes): <b>30</b>		Development Water Drained (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Development Water Drained (gallons): <b>3</b>	
Water Appearance (color and odor) At Start of Development: <b>Brown, no odor</b>			Water Appearance (color and odor) At End of Development: <b>Clear, no odor</b>		

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

## WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number <b>MW- 3</b>	Site Name: <b>Vacant Parcel - Lake Butler</b>	FDEP Facility ID Number: <b>—</b>	Well Install Date(s): <b>9/12/24</b>		
Well Location and Type (check appropriate boxes) <input checked="" type="checkbox"/> On Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off Site Private Property <input type="checkbox"/> Above Grade (AG) <input type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Detailed Monitoring <input checked="" type="checkbox"/> Shallow Water Table Monitoring <input type="checkbox"/> Intermediate to Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: <b>HA, HSA</b>	
If well first feet of riser above land surface:					
Borehole Depth (feet): <b>20</b>	Well Depth (feet): <b>20</b>	Borehole Diameter (inches): <b>6.25</b>	Manhole Diameter (inches): <b>8</b>	Well Pad Size: <b>2</b> feet by <b>2</b> feet	
Pipe Type (Material): <b>2" PVC</b>		Borehole Screen (Material): <input type="checkbox"/> Fiberglass <input type="checkbox"/> Other (describe)		Riser Length (feet): <b>10</b> feet	
Screen Depth (Material): <b>2" PVC</b>		Screen Slot Size: <b>1.0.010</b>		Screen Length (feet): <b>10</b> feet	
1. Surface Casing Material (also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary)		1. Surface Casing ID (inches)		1. Surface Casing Length (feet): from _____ feet to _____ feet	
2. Surface Casing Material (also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary)		2. Surface Casing ID (inches)		2. Surface Casing Length (feet): from _____ feet to _____ feet	
3. Surface Casing Material (also check <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary)		3. Surface Casing ID (inches)		3. Surface Casing Length (feet): from _____ feet to _____ feet	
Filter Pack Material (and Size): <b>20/30 sand</b>		Pack of Filter Around Screen (check one) <input type="checkbox"/> Yes <input type="checkbox"/> No		Filter Pack Length (feet): from <b>8</b> feet to <b>20</b> feet	
Filter Pack Seal Material (and Size):		<b>30/65 sand</b>		Filter Pack Seal Length (feet): from <b>1</b> feet to <b>9</b> feet	
Surface Seal Material:		<b>Grout</b>		Surface Seal Length (feet): from <b>0</b> feet to <b>120</b> feet	

WELL DEVELOPMENT DATA					
Well Development Date: <b>10/12/24</b>	Well Development Method (check one): <input type="checkbox"/> Surge Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)				
Development Pump Type (check one): <input type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input checked="" type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): <b>10.40</b>			
Pumping Rate (gallons per minute): <b>~0.1</b>		Maximum Draw-down of Groundwater During Development (feet): <b>—</b>		<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
Pumping Condition (check one): <input type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent		Total Development Well Remove (cell(s)): <b>~3</b>	Development Well ID: <b>30</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Water Appearance (color and odor) At Start of Development: <b>Brown, no odor</b>			Water Appearance (color and odor) At End of Development: <b>Clear, no odor</b>		

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

## WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA								
Well Number: <b>mw-4</b>		Site Name: <b>Vacant Parcel</b>			FDEP Facility ID Number: <b>-</b>		Well Install Date(s): <b>9/24/24</b>	
Well Location and Type (check appropriate boxes) <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site, Private Property <input type="checkbox"/> Above-Grade (AO) <input type="checkbox"/> Below-Grade (BG) <input type="checkbox"/> Flush-to-Grade				Well Purpose <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: <b>HSA, HA</b>		
If AO, construct of riser above land surface								
Borehole Depth (feet): <b>20</b>	Well Depth (feet): <b>20</b>	Borehole Diameter (inches): <b>6.75</b>	Manhole Diameter (inches): <b>8</b>	Well Pad Size <b>2</b> feet by <b>2</b> feet				
Riser Description (Material)		Riser Screen Configuration <input checked="" type="checkbox"/> Flush to casing <input type="checkbox"/> Other (describe)	Riser Length (feet): <b>10</b>		Riser ID (feet): <b>10</b>			
Screen Description and Material		Screen Slot Size	Screen Length (feet): <b>10</b>		Screen ID (feet): from ___ feet to ___ feet			
1. Surface Casing Material (describe) <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1. Surface Casing ID (inches)	1. Surface Casing Length (feet)		1. Surface Casing ID (feet): from ___ feet to ___ feet			
2. Surface Casing Material (describe) <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2. Surface Casing ID (inches)	2. Surface Casing Length (feet)		2. Surface Casing ID (feet): from ___ feet to ___ feet			
3. Surface Casing Material (describe) <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3. Surface Casing ID (inches)	3. Surface Casing Length (feet)		3. Surface Casing ID (feet): from ___ feet to ___ feet			
Filter Pack Material and Size: <b>20/30 sand</b>	Proportions of Filter Around Screen (check one) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length (feet): from <b>3</b> feet to <b>17</b> feet		Filter Pack ID (feet): from <b>2</b> feet to <b>20</b> feet			
Filter Pack Seal Material and Size: <b>30/60 sand</b>	Filter Pack Seal Length (feet): from <b>1</b> feet to <b>3</b> feet		Filter Pack Seal ID (feet): from <b>0</b> feet to <b>1</b> feet					
Surface Seal Material: <b>Grout</b>	Surface Seal Length (feet): from <b>0</b> feet to <b>1</b> feet		Surface Seal ID (feet): from <b>0</b> feet to <b>1</b> feet					

WELL DEVELOPMENT DATA					
Well Development Date: <b>9/24/24</b>		Well Development Method (check one) <input type="checkbox"/> Surge Pump <input type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)			
Development Pump Type (check one) <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before development) (feet): <b>~12.10"</b>			
Pumping Rate (gallons per minute): <b>1</b>		Maximum Drawdown of Groundwater During Development (feet): <b>—</b>		Well Purged? (check one) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition (check one) <input checked="" type="checkbox"/> Continuous <input checked="" type="checkbox"/> Intermittent		Total Development Water Removed (gallons): <b>20</b>	Development Duration (minutes): <b>20</b>		Development Water Drummed (check one) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: <b>Brown/none</b>			Water Appearance (color and odor) At End of Development: <b>clear/none</b>		

WELL CONSTRUCTION OR DEVELOPMENT REMARKS



# Field Notes

Date: \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Site Name: \_\_\_\_\_ PPM Project No.: \_\_\_\_\_

Site Address: \_\_\_\_\_

FDEP Facility I.D. No.: \_\_\_\_\_

Initial Mobilization Time: \_\_\_\_\_

PPM Staff: \_\_\_\_\_

Time of Arrival Onsite: \_\_\_\_\_

\_\_\_\_\_

Time of Departure Offsite: \_\_\_\_\_

\_\_\_\_\_

Final Mobilization Time: \_\_\_\_\_

Vehicle # and Ownership: \_\_\_\_\_

Vehicle Make/Model: \_\_\_\_\_

Weather: \_\_\_\_\_

Purpose of Site Visit: \_\_\_\_\_

\_\_\_\_\_

## Site Notes:

Large empty box for site notes.

These field notes were recorded directly into the iPad while in the field, are original, and have not been modified after the stated date and time of the last entry.

Signature: \_\_\_\_\_

Signature: \_\_\_\_\_

**DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG**

SITE NAME: Vacant County Parcel	SITE LOCATION: SW 1st Street & SW 1st Avenue, Lake Butler, FL
WELL NO: MW-1	SAMPLE ID: MW-1
DATE: 10/16/24	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>0.125</b>	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): <b>6.21</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>15</b> feet - <b>6.21</b> feet ) X <b>0.16</b> gallons/foot = <b>1.41</b> gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = <b>0.0</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>7.5</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>8.5</b>	PURGING INITIATED AT: <b>12:36</b>	PURGING ENDED AT: <b>13:00</b>	TOTAL VOLUME PURGED (gallons): <b>2.4</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <input type="checkbox"/> μmhos/cm or <input checked="" type="checkbox"/> μS/cm	DISSOLVED OXYGEN (circle units) <input checked="" type="checkbox"/> mg/L or <input type="checkbox"/> % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
12:51	1.5	1.5	0.1	7.67	6.23	28.5	411	0.30	9.65	None	Organic
12:54	0.3	1.8	0.1	7.69	6.26	28.5	415	0.27	8.99	None	Organic
12:57	0.3	2.1	0.1	7.71	6.25	28.5	410	0.31	8.78	None	Organic
13:00	0.3	2.4	0.1	7.72	6.23	28.4	416	0.27	9.22	None	Organic
<b>WELL CAPACITY</b> (Gallons Per Foot): <b>0.75"</b> = 0.02; <b>1"</b> = 0.04; <b>1.25"</b> = 0.06; <b>2"</b> = 0.16; <b>3"</b> = 0.37; <b>4"</b> = 0.65; <b>5"</b> = 1.02; <b>6"</b> = 1.47; <b>12"</b> = 5.88 <b>TUBING INSIDE DIA. CAPACITY</b> (Gal./Ft.): <b>1/8"</b> = 0.0006; <b>3/16"</b> = 0.0014; <b>1/4"</b> = 0.0026; <b>5/16"</b> = 0.004; <b>3/8"</b> = 0.006; <b>1/2"</b> = 0.010; <b>5/8"</b> = 0.016											
<b>PURGING EQUIPMENT CODES:</b> <b>B</b> = Bailer; <b>BP</b> = Bladder Pump; <b>ESP</b> = Electric Submersible Pump; <b>PP</b> = Peristaltic Pump; <b>O</b> = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Julian Carman</b>				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED AT: <b>13:05</b>		SAMPLING ENDED AT: <b>13:15</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>8.5</b>				TUBING MATERIAL CODE: <b>HDPE</b>				FIELD-FILTERED: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm	
FIELD DECONTAMINATION: PUMP <input type="checkbox"/> Y N <input checked="" type="checkbox"/>				TUBING Y <input type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>				DUPLICATE: <input type="checkbox"/> Y N <input checked="" type="checkbox"/>			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-1	3	CG	40 mL	HCL	N/A	N/A	8260		APP		
MW-1	2	AG	500 mL	None	N/A	N/A	8270		APP		
MW-1	2	AG	100 mL	HCL	N/A	N/A	FL PRO		APP		
MW-1	1	HDPE	250 mL	HNO3	N/A	N/A	6010		APP		
REMARKS:											
<b>MATERIAL CODES:</b> <b>AG</b> = Amber Glass; <b>CG</b> = Clear Glass; <b>HDPE</b> = High Density Polyethylene; <b>LDPE</b> = Low Density Polyethylene; <b>PP</b> = Polypropylene; <b>S</b> = Silicone; <b>T</b> = Teflon; <b>O</b> = Other (Specify)											
<b>SAMPLING EQUIPMENT CODES:</b> <b>APP</b> = After (Through) Peristaltic Pump; <b>B</b> = Bailer; <b>BP</b> = Bladder Pump; <b>ESP</b> = Electric Submersible Pump; <b>RFPP</b> = Reverse Flow Peristaltic Pump; <b>SM</b> = Straw Method (Tubing Gravity Drain); <b>O</b> = Other (Specify)											

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
**pH:** ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG**

SITE NAME: Vacant County Parcel	SITE LOCATION: SW 1st Street & SW 1st Avenue, Lake Butler, FL
WELL NO: MW-2	SAMPLE ID: MW-2
DATE: 10/16/24	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>0.125</b>	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): <b>6.34</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>15</b> feet - <b>6.34</b> feet ) X <b>0.16</b> gallons/foot = <b>1.39</b> gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = <b>0.0</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>7.5</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>8.5</b>	PURGING INITIATED AT: <b>13:32</b>	PURGING ENDED AT: <b>13:55</b>	TOTAL VOLUME PURGED (gallons): <b>2.3</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <input type="checkbox"/> μmhos/cm or <input checked="" type="checkbox"/> μS/cm	DISSOLVED OXYGEN (circle units) <input checked="" type="checkbox"/> mg/L or <input type="checkbox"/> % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
13:46	1.4	1.4	0.1	7.58	6.41	28.3	385	0.42	7.89	None	Organic
13:49	0.3	1.7	0.1	7.60	6.40	28.3	386	0.40	7.34	None	Organic
13:52	0.3	2.0	0.1	7.61	6.38	28.3	380	0.39	8.11	None	Organic
13:55	0.3	2.3	0.1	7.63	6.38	28.3	385	0.43	8.54	None	Organic
<b>WELL CAPACITY</b> (Gallons Per Foot): <b>0.75"</b> = 0.02; <b>1"</b> = 0.04; <b>1.25"</b> = 0.06; <b>2"</b> = 0.16; <b>3"</b> = 0.37; <b>4"</b> = 0.65; <b>5"</b> = 1.02; <b>6"</b> = 1.47; <b>12"</b> = 5.88 <b>TUBING INSIDE DIA. CAPACITY</b> (Gal./Ft.): <b>1/8"</b> = 0.0006; <b>3/16"</b> = 0.0014; <b>1/4"</b> = 0.0026; <b>5/16"</b> = 0.004; <b>3/8"</b> = 0.006; <b>1/2"</b> = 0.010; <b>5/8"</b> = 0.016 <b>PURGING EQUIPMENT CODES:</b> <b>B</b> = Bailer; <b>BP</b> = Bladder Pump; <b>ESP</b> = Electric Submersible Pump; <b>PP</b> = Peristaltic Pump; <b>O</b> = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Julian Carman</b>				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: <b>14:00</b>		SAMPLING ENDED AT: <b>14:10</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>8.5</b>				TUBING MATERIAL CODE: <b>HDPE</b>		FIELD-FILTERED: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input type="checkbox"/> Y N <input checked="" type="checkbox"/>				TUBING Y <input type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>		DUPLICATE: <input type="checkbox"/> Y N <input checked="" type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-2	3	CG	40 mL	HCL	N/A	N/A	8260	APP	276	
MW-2	2	AG	500 mL	None	N/A	N/A	8270	APP	276	
MW-2	2	AG	100 mL	HCL	N/A	N/A	FL PRO	APP	276	
MW-2	1	HDPE	250 mL	HNO3	N/A	N/A	6010	APP	276	
REMARKS:										
<b>MATERIAL CODES:</b> <b>AG</b> = Amber Glass; <b>CG</b> = Clear Glass; <b>HDPE</b> = High Density Polyethylene; <b>LDPE</b> = Low Density Polyethylene; <b>PP</b> = Polypropylene; <b>S</b> = Silicone; <b>T</b> = Teflon; <b>O</b> = Other (Specify)										
<b>SAMPLING EQUIPMENT CODES:</b> <b>APP</b> = After (Through) Peristaltic Pump; <b>B</b> = Bailer; <b>BP</b> = Bladder Pump; <b>ESP</b> = Electric Submersible Pump; <b>RFPP</b> = Reverse Flow Peristaltic Pump; <b>SM</b> = Straw Method (Tubing Gravity Drain); <b>O</b> = Other (Specify)										

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
**pH:** ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG**

SITE NAME: Vacant County Parcel	SITE LOCATION: SW 1st Street & SW 1st Avenue, Lake Butler, FL
WELL NO: MW-3	SAMPLE ID: MW-3
DATE: 10/16/24	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>0.125</b>	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): <b>6.63</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>15</b> feet - <b>6.63</b> feet ) X <b>0.16</b> gallons/foot = <b>1.34</b> gallons				
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = <b>0.0</b> gallons				
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>7.5</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>8.5</b>	PURGING INITIATED AT: <b>14:37</b>	PURGING ENDED AT: <b>15:00</b>	TOTAL VOLUME PURGED (gallons): <b>2.3</b>

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <input type="checkbox"/> μmhos/cm or <input checked="" type="checkbox"/> μS/cm	DISSOLVED OXYGEN (circle units) <input checked="" type="checkbox"/> mg/L or <input type="checkbox"/> % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
14:51	1.4	1.4	0.1	7.70	6.22	28.6	505	0.35	6.95	None	Organic
14:54	0.3	1.7	0.1	7.71	6.22	28.6	501	0.36	8.03	None	Organic
14:57	0.3	2.0	0.1	7.73	6.22	28.6	504	0.32	8.55	None	Organic
15:00	0.3	2.3	0.1	7.75	6.21	28.6	509	0.38	7.37	None	Organic

**WELL CAPACITY** (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88  
**TUBING INSIDE DIA. CAPACITY** (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016  
**PURGING EQUIPMENT CODES:** **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **PP** = Peristaltic Pump; **O** = Other (Specify)

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Julian Carman</b>	SAMPLER(S) SIGNATURE(S):	SAMPLING INITIATED AT: <b>15:05</b>	SAMPLING ENDED AT: <b>15:15</b>
PUMP OR TUBING DEPTH IN WELL (feet): <b>8.5</b>	TUBING MATERIAL CODE: <b>HDPE</b>	FIELD-FILTERED: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	FILTER SIZE: _____ μm
FIELD DECONTAMINATION: PUMP <input type="checkbox"/> Y N <input checked="" type="checkbox"/>	TUBING Y <input type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>	DUPLICATE: <input type="checkbox"/> Y N <input checked="" type="checkbox"/>	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-3	3	CG	40 mL	HCL	N/A	N/A	8260	APP	276
MW-3	2	AG	500 mL	None	N/A	N/A	8270	APP	276
MW-3	2	AG	100 mL	HCL	N/A	N/A	FL PRO	APP	276
MW-3	1	HDPE	250 mL	HNO3	N/A	N/A	6010	APP	276

REMARKS:

**MATERIAL CODES:** **AG** = Amber Glass; **CG** = Clear Glass; **HDPE** = High Density Polyethylene; **LDPE** = Low Density Polyethylene; **PP** = Polypropylene; **S** = Silicone; **T** = Teflon; **O** = Other (Specify)

**SAMPLING EQUIPMENT CODES:** **APP** = After (Through) Peristaltic Pump; **B** = Bailer; **BP** = Bladder Pump; **ESP** = Electric Submersible Pump; **RFPP** = Reverse Flow Peristaltic Pump; **SM** = Straw Method (Tubing Gravity Drain); **O** = Other (Specify)

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
**pH:** ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**DEP Form FD 9000-24: GROUNDWATER SAMPLING LOG**

SITE NAME: Vacant County Parcel	SITE LOCATION: SW 1st Street & SW 1st Avenue, Lake Butler, FL
WELL NO: MW-4	SAMPLE ID: MW-4
DATE: 10/16/24	

**PURGING DATA**

WELL DIAMETER (inches): <b>2</b>	TUBING DIAMETER (inches): <b>0.125</b>	WELL SCREEN INTERVAL DEPTH: 5 feet to 15 feet	STATIC DEPTH TO WATER (feet): <b>6.59</b>	PURGE PUMP TYPE OR BAILER: <b>PP</b>							
<b>WELL VOLUME PURGE:</b> 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = ( <b>15</b> feet - <b>6.59</b> feet ) X <b>0.16</b> gallons/foot = <b>1.35</b> gallons											
<b>EQUIPMENT VOLUME PURGE:</b> 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = _____ gallons + ( _____ gallons/foot X _____ feet ) + _____ gallons = <b>0.0</b> gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): <b>7.5</b>	FINAL PUMP OR TUBING DEPTH IN WELL (feet): <b>9</b>	PURGING INITIATED AT: <b>15:32</b>	PURGING ENDED AT: <b>15:55</b>	TOTAL VOLUME PURGED (gallons): <b>2.3</b>							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) <input type="checkbox"/> μmhos/cm or <input checked="" type="checkbox"/> μS/cm	DISSOLVED OXYGEN (circle units) <input checked="" type="checkbox"/> mg/L or <input type="checkbox"/> % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
15:46	1.4	1.4	0.1	7.75	6.11	28.7	396	0.45	8.55	None	Organic
15:49	0.3	1.7	0.1	7.77	6.11	28.7	392	0.47	8.60	None	Organic
15:52	0.3	2.0	0.1	7.80	6.13	28.7	389	0.40	8.90	None	Organic
15:55	0.3	2.3	0.1	7.82	6.12	28.8	394	0.43	8.26	None	Organic
<b>WELL CAPACITY</b> (Gallons Per Foot): <b>0.75"</b> = 0.02; <b>1"</b> = 0.04; <b>1.25"</b> = 0.06; <b>2"</b> = 0.16; <b>3"</b> = 0.37; <b>4"</b> = 0.65; <b>5"</b> = 1.02; <b>6"</b> = 1.47; <b>12"</b> = 5.88 <b>TUBING INSIDE DIA. CAPACITY</b> (Gal./Ft.): <b>1/8"</b> = 0.0006; <b>3/16"</b> = 0.0014; <b>1/4"</b> = 0.0026; <b>5/16"</b> = 0.004; <b>3/8"</b> = 0.006; <b>1/2"</b> = 0.010; <b>5/8"</b> = 0.016 <b>PURGING EQUIPMENT CODES:</b> <b>B</b> = Bailer; <b>BP</b> = Bladder Pump; <b>ESP</b> = Electric Submersible Pump; <b>PP</b> = Peristaltic Pump; <b>O</b> = Other (Specify)											

**SAMPLING DATA**

SAMPLED BY (PRINT) / AFFILIATION: <b>Julian Carman</b>				SAMPLER(S) SIGNATURE(S):			SAMPLING INITIATED AT: <b>16:00</b>		SAMPLING ENDED AT: <b>16:10</b>	
PUMP OR TUBING DEPTH IN WELL (feet): <b>9</b>				TUBING MATERIAL CODE: <b>HDPE</b>		FIELD-FILTERED: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP <input type="checkbox"/> Y N <input checked="" type="checkbox"/>				TUBING Y <input type="checkbox"/> N (replaced) <input checked="" type="checkbox"/>		DUPLICATE: <input type="checkbox"/> Y N <input checked="" type="checkbox"/>				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION (including wet ice)			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH				
MW-	3	CG	40 mL	HCL	N/A	N/A	8260	APP	276	
MW-	2	AG	500 mL	None	N/A	N/A	8270	APP	276	
MW-	2	AG	100 mL	HCL	N/A	N/A	FL PRO	APP	276	
MW-	1	HDPE	250 mL	HNO3	N/A	N/A	6010	APP	276	
REMARKS:										
<b>MATERIAL CODES:</b> <b>AG</b> = Amber Glass; <b>CG</b> = Clear Glass; <b>HDPE</b> = High Density Polyethylene; <b>LDPE</b> = Low Density Polyethylene; <b>PP</b> = Polypropylene; <b>S</b> = Silicone; <b>T</b> = Teflon; <b>O</b> = Other (Specify)										
<b>SAMPLING EQUIPMENT CODES:</b> <b>APP</b> = After (Through) Peristaltic Pump; <b>B</b> = Bailer; <b>BP</b> = Bladder Pump; <b>ESP</b> = Electric Submersible Pump; <b>RFPP</b> = Reverse Flow Peristaltic Pump; <b>SM</b> = Straw Method (Tubing Gravity Drain); <b>O</b> = Other (Specify)										

**NOTES:** 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.  
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)  
**pH:** ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

**FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP**

Project Site/FacID: Vacant County Parcel

**Boldly "X" this box if there is qualified data on this page.**

Calibrated by (Print)/Affiliation: Julian Carman / PPM

**Temperature (Quarterly)**      Date of Last Temp Verification:      See log book:

<b>DISSOLVED OXYGEN (DO) (REFERENCE: DEP SOP FT 1500)</b>						<b>Acceptance Criteria +/-0.3 mg DO/L</b>						
Meter/Instrument Name and Unique ID: <u>YSI Pro Quatro # JC077508</u>												
CAL	ICV	CCV	Initials	Date	Time	Standard (DO %)	Temp °C	DO Saturation mg/L (100%)**	Response DO (%)	Response mg DO/L	Deviation mg DO/L	Pass or Fail
CAL	<u>ICV</u>	CCV	<u>JC</u>	<u>10/16/24</u>	<u>12:30</u>	<u>100%</u>	<u>28.0</u>	<u>7.43</u>	<u>100</u>	<u>7.60</u>	<u>&lt;0.3</u>	<u>P</u> F
CAL	ICV	<u>CCV</u>	<u>JC</u>	<u>10/16/24</u>	<u>17:05</u>	<u>100%</u>	<u>28.0</u>	<u>7.43</u>	<u>100</u>	<u>7.53</u>	<u>&lt;0.3</u>	<u>P</u> F
CAL	ICV	CCV				<u>100%</u>						P F
CAL	ICV	CCV				<u>100%</u>						P F
CAL	ICV	CCV				<u>100%</u>						P F
CAL	ICV	CCV				<u>100%</u>						P F

\*\* See Table FS 2200-2 and/or Table FT 1500-1 for Dissolved Oxygen 100% Saturation (mg/L) corresponding to Temperature.

<b>SPECIFIC CONDUCTANCE (REFERENCE: DEP SOP FT 1200)</b>						<b>Acceptance Criteria +/-5% the standard</b>						
Meter/Instrument Name and Unique ID: <u>YSI Pro Quatro # JC077508</u>												
CAL	ICV	CCV	Initials	Date	Time	Standard (µmho/cm)	Exp. Date	Lot #	Response (µmho/cm)	Deviation (%)	Pass or Fail	
CAL	<u>ICV</u>	CCV	<u>JC</u>	<u>10/16/24</u>	<u>12:30</u>	<u>1413</u>	<u>9/25</u>	<u>23H100616</u>	<u>1415</u>	<u>&lt;5</u>	<u>P</u> F	
CAL	ICV	<u>CCV</u>	<u>JC</u>	<u>10/16/24</u>	<u>17:05</u>	<u>1413</u>	<u>9/25</u>	<u>23H100616</u>	<u>1411</u>	<u>&lt;5</u>	<u>P</u> F	
CAL	ICV	CCV									<u>P</u> F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	

<b>OXIDATION-REDUCTION POTENTIAL (ORP)</b>						<b>Acceptance Criteria +/-10 mV</b>						
<b>REFERENCE: EPA Region 4, Operating Procedure, Field Measurement of Oxidation-Reduction Potential (ORP)</b>												
Meter/Instrument Name and Unique ID: <u>YSI Pro Quatro # JC077508</u>												
CAL	ICV	CCV	Initials	Date	Time	Standard (mV)	Exp. Date	Lot #	Response (mV)	Deviation (mV)	Pass or Fail	
CAL	<u>ICV</u>	CCV									<u>P</u> F	
CAL	ICV	<u>CCV</u>									<u>P</u> F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	
CAL	ICV	CCV									P F	

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{(Response/Standard)\*100}

**FIELD INSTRUMENT CALIBRATION RECORDS - CALIBRATION LOG - PRP**

Project Site/FacID: Vacant County Parcel

Calibrated by (Print)/Affiliation: Julian Carman / PPM

*Boldly "X" this box if there is qualified data on this page.*

<b>TURBIDITY (REFERENCE: DEP SOP FT 1600)</b>						Meter/Instrument Name and Unique ID: <b>Extech TB400</b>					
Std=0.1-10 NTU +/-10%			Std=11-40 NTU +/-8%			Std=41-100 NTU +/-6.5%			Std>100 NTU +/-5%		
CAL	ICV	CCV	Initials	Date	Time	Standard (NTU)	Exp. Date	Lot #	Response (NTU)	Deviation (%)	Pass or Fail
<u>CAL</u>	ICV	CCV	JC	10/16/24	12:30	0	N/A	N/A	0.0	0	P F
<u>CAL</u>	ICV	CCV	JC	10/16/24	12:30	10	N/A	N/A	10.0	0	P F
<u>CAL</u>	ICV	CCV	JC	10/16/24	12:30	100	N/A	N/A	99.8	<5%	P F
CAL	ICV	<u>CCV</u>	JC	10/16/24	17:05	100	N/A	N/A	99.9	<5%	P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F




<b>pH (REFERENCE: DEP SOP FT 1100)</b>						Acceptance Criteria +/-0.2 SU					
Meter/Instrument Name and Unique ID: <b>YSI Pro Quatro # JC077508</b>											
CAL	ICV	CCV	Initials	Date	Time	Standard (SU)	Exp. Date	Lot #	Response (SU)	Deviation (SU)	Pass or Fail
<u>CAL</u>	ICV	CCV	JC	10/16/24	12:30	4	12/25	3GL0108	4.06	<5%	P F
<u>CAL</u>	ICV	CCV	JC	10/16/24	12:30	7	11/25	3GK13E2	7.04	<5%	P F
<u>CAL</u>	ICV	CCV	JC	10/16/24	17:05	7	12/25	3GL0108	7.05	<5%	P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F
CAL	ICV	CCV									P F

Perform ICVs and CCVs only in "READ/RUN" mode.

CAL - Calibration; ICV - Initial Calibration Verification; and, CCV - Continuing Calibration Verification.

Deviation (%) = 100-{|(Response/Standard)\*100}

**APPENDIX B – WASTE DISPOSAL DOCUMENTATION**

<b>NON-HAZARDOUS WASTE MANIFEST</b>	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone	4. Waste Tracking Number 4686					
	5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)						
Generator's Phone:		Vacant County Parcel SW Corner SW 1st Street and SW 1st Avenue Lake Butler, FL							
6. Transport 1 Company Name Erwin Remediation, Inc.		U.S. EPA ID Number FLR000223867							
7. Transport 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Erwin Remediation, Inc. 408 Ditmar Street Pensacola, FL 32503		U.S. EPA ID Number 0439285-001-SO							
Facility's Phone: (850) 292-6511									
<b>GENERATOR</b>	9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt/Vol.			
			No.	Type					
	1.	Petroleum Cont Soil	5	DM					
	2.	Petroleum Cont Water	1	DM					
	3.								
4.									
13. Special Handling Instructions and Additional Information									
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and governmental regulations.									
Generator's/Offeror's Printed/Typed Name Jonathan Erwin				Signature 		Month 11	Day 7	Year 2024	
<b>INT'L</b>	15. International Shipments		<input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of Entry/Exit: Date Leaving U.S.:				
	Transporter Signature (for exports only):								
<b>TRANSPORTER</b>	16. Transport Acknowledgement of Receipt of Materials								
	Transporter 1 Printed/Typed Name Jonathan Erwin				Signature 		Month 11	Day 7	Year 2024
	Transporter 2 Printed/Typed Name				Signature		Month	Day	Year
<b>DESIGNATED FACILITY</b>	17. Discrepancy								
	17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	17b. Alternate Facility (or Generator)								
	Facility's Phone:								
	17c. Signature of Alternate Facility (or Generator)						Month	Day	Year
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in item 17a									
Printed/Typed Name Robert Donado				Signature 		Month 11	Day 8	Year 2024	

Union County Vacant Parcel  
Waste Disposal from Drilling  
Six Drums Soil Cuttings and One Drum Purge Water



**APPENDIX C – LABORATORY ANALYTICAL REPORTS**



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeff Ferretti  
PPM Consultants, Inc.  
750 South Northlake Boulevard  
Suite 1012  
Altamonte Springs, Florida 32701

Generated 10/7/2024 1:31:52 PM

## JOB DESCRIPTION

Lake Butler Vacant Parcel

## JOB NUMBER

670-48437-1

# Eurofins Orlando

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
10/7/2024 1:31:52 PM

Authorized for release by  
Luis Betancourt, Project Manager I  
[Luis.Betancourt@et.eurofinsus.com](mailto:Luis.Betancourt@et.eurofinsus.com)  
(321)282-6293



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	6
Client Sample Results . . . . .	7
Surrogate Summary . . . . .	16
QC Sample Results . . . . .	18
QC Association Summary . . . . .	33
Lab Chronicle . . . . .	35
Certification Summary . . . . .	36
Method Summary . . . . .	37
Sample Summary . . . . .	38
Chain of Custody . . . . .	39
Receipt Checklists . . . . .	40

# Definitions/Glossary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

### GC/MS Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

### GC Semi VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

### Metals

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: PPM Consultants, Inc.  
Project: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Job ID: 670-48437-1**

**Eurofins Orlando**

## Job Narrative 670-48437-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 9/26/2024 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

### GC/MS VOA

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: Resinate Blank (670-48437-2), Field Blank (670-48437-3) and Trip Blank (670-48437-4). Elevated reporting limits (RLs) are provided.

Method 8260D: The method blank for analytical batch 670-114586 contained Chloroform above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

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

### GC/MS Semi VOA

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

### GC Semi VOA

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

### Metals

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

### General Chemistry

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

Eurofins Orlando

# Detection Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Client Sample ID: SB-4 (10-12')

## Lab Sample ID: 670-48437-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.00050	I V	0.0097	0.00049	mg/Kg	1	✳	8260D	Total/NA
1-Methylnaphthalene	0.0014	I	0.0040	0.00092	mg/Kg	1	✳	8270E SIM	Total/NA
Acenaphthylene	0.0034	I	0.0040	0.0015	mg/Kg	1	✳	8270E SIM	Total/NA
Anthracene	0.0042		0.0040	0.0014	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[a]pyrene	0.0039	I	0.0040	0.0015	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[b]fluoranthene	0.011	I	0.012	0.0047	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[k]fluoranthene	0.0040		0.0040	0.0020	mg/Kg	1	✳	8270E SIM	Total/NA
Fluoranthene	0.0043		0.0040	0.0020	mg/Kg	1	✳	8270E SIM	Total/NA
Phenanthrene	0.0028	I	0.0040	0.00096	mg/Kg	1	✳	8270E SIM	Total/NA
Lead	5.8		1.2	0.095	mg/Kg	5	✳	6020B	Total/NA

## Client Sample ID: Resinate Blank

## Lab Sample ID: 670-48437-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform - DL	310		25	4.0	ug/L	5		8260D	Total/NA

## Client Sample ID: Field Blank

## Lab Sample ID: 670-48437-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform - DL	320		25	4.0	ug/L	5		8260D	Total/NA

## Client Sample ID: Trip Blank

## Lab Sample ID: 670-48437-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform - DL	810		50	8.0	ug/L	10		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: SB-4 (10-12')**

**Lab Sample ID: 670-48437-1**

**Date Collected: 09/24/24 11:15**

**Matrix: Solid**

**Date Received: 09/26/24 11:10**

**Percent Solids: 82.5**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.00057	U	0.0097	0.00057	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,1,1-Trichloroethane	0.00041	U	0.0097	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,1,2,2-Tetrachloroethane	0.00049	U	0.0097	0.00049	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,1,2-Trichloroethane	0.00056	U	0.0097	0.00056	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,1-Dichloroethane	0.00041	U	0.0097	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,1-Dichloroethene	0.00050	U	0.0097	0.00050	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,1-Dichloropropene	0.00044	U	0.0097	0.00044	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,2,3-Trichloropropane	0.00089	U	0.024	0.00089	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,2,4-Trimethylbenzene	0.00055	U	0.024	0.00055	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Ethylene Dibromide	0.00054	U	0.0097	0.00054	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,2-Dichloroethane	0.00043	U	0.049	0.00043	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,2-Dichloropropane	0.00048	U	0.0097	0.00048	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,3,5-Trimethylbenzene	0.012	U	0.024	0.012	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,3-Dichloropropane	0.00041	U	0.0097	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,3-Dichlorobenzene	0.00049	U	0.024	0.00049	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
1,4-Dichlorobenzene	0.00041	U	0.0097	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
2,2-Dichloropropane	0.00041	U	0.024	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
2-Butanone (MEK)	0.020	U	0.081	0.020	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
2-Chlorotoluene	0.00039	U	0.0097	0.00039	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
2-Hexanone	0.020	U	0.081	0.020	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
4-Chlorotoluene	0.00049	U	0.0097	0.00049	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
4-Methyl-2-pentanone (MIBK)	0.020	U	0.081	0.020	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Acetone	0.020	U	0.081	0.020	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Benzene	0.00041	U	0.0097	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Bromobenzene	0.00058	U	0.0097	0.00058	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Chlorobromomethane	0.00070	U	0.0097	0.00070	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Dichlorobromomethane	0.00051	U	0.0097	0.00051	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Bromoform	0.00063	U	0.0097	0.00063	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Bromomethane	0.00041	U	0.0097	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Carbon disulfide	0.0020	U	0.0097	0.0020	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Carbon tetrachloride	0.00049	U	0.0097	0.00049	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Chlorobenzene	0.00043	U	0.0097	0.00043	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Chloroethane	0.00054	U	0.0097	0.00054	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
<b>Chloroform</b>	<b>0.00050</b>	<b>I V</b>	0.0097	0.00049	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Chloromethane	0.00053	U	0.0097	0.00053	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
cis-1,2-Dichloroethene	0.00052	U	0.0097	0.00052	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
cis-1,3-Dichloropropene	0.00041	U	0.0097	0.00041	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Chlorodibromomethane	0.00058	U	0.0097	0.00058	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Dibromomethane	0.00070	U	0.0097	0.00070	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Dichlorodifluoromethane	0.00050	U	0.0097	0.00050	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Ethylbenzene	0.00047	U	0.0097	0.00047	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Isopropylbenzene	0.00044	U	0.0097	0.00044	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
m-Xylene & p-Xylene	0.00089	U	0.016	0.00089	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Methylene Chloride	0.016	U	0.057	0.016	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
Methyl tert-butyl ether	0.00051	U	0.0097	0.00051	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
n-Butylbenzene	0.00073	U	0.0097	0.00073	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
N-Propylbenzene	0.00051	U	0.0097	0.00051	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
o-Xylene	0.00045	U	0.016	0.00045	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1
sec-Butylbenzene	0.00053	U	0.0097	0.00053	mg/Kg	✳	09/27/24 16:44	10/04/24 17:07	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: SB-4 (10-12')**

**Lab Sample ID: 670-48437-1**

**Date Collected: 09/24/24 11:15**

**Matrix: Solid**

**Date Received: 09/26/24 11:10**

**Percent Solids: 82.5**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.00041	U	0.0097	0.00041	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
tert-Butylbenzene	0.00057	U	0.0097	0.00057	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
Tetrachloroethene	0.00054	U	0.0097	0.00054	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
Toluene	0.0024	U	0.0097	0.0024	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
trans-1,2-Dichloroethene	0.00056	U	0.0097	0.00056	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
trans-1,3-Dichloropropene	0.00041	U	0.0097	0.00041	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
Trichloroethene	0.00049	U	0.0097	0.00049	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
Trichlorofluoromethane	0.00044	U	0.0097	0.00044	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
Vinyl chloride	0.00036	U	0.0097	0.00036	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
Xylenes, Total	0.00089	U	0.016	0.00089	mg/Kg	☼	09/27/24 16:44	10/04/24 17:07	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	87		50 - 150				09/27/24 16:44	10/04/24 17:07	1
4-Bromofluorobenzene (Surr)	90		50 - 150				09/27/24 16:44	10/04/24 17:07	1
Dibromofluoromethane (Surr)	101		50 - 150				09/27/24 16:44	10/04/24 17:07	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1-Methylnaphthalene</b>	<b>0.0014</b>	<b>I</b>	0.0040	0.00092	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
2-Methylnaphthalene	0.0013	U	0.0040	0.0013	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Acenaphthene	0.00078	U	0.0040	0.00078	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Acenaphthylene</b>	<b>0.0034</b>	<b>I</b>	0.0040	0.0015	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Anthracene</b>	<b>0.0042</b>		0.0040	0.0014	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Benzo[a]anthracene	0.0075	U	0.012	0.0075	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Benzo[a]pyrene</b>	<b>0.0039</b>	<b>I</b>	0.0040	0.0015	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Benzo[b]fluoranthene</b>	<b>0.011</b>	<b>I</b>	0.012	0.0047	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Benzo[g,h,i]perylene	0.0027	U	0.0040	0.0027	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Benzo[k]fluoranthene</b>	<b>0.0040</b>		0.0040	0.0020	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Chrysene	0.0093	U	0.012	0.0093	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Dibenz(a,h)anthracene	0.0027	U	0.0040	0.0027	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Fluoranthene</b>	<b>0.0043</b>		0.0040	0.0020	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Fluorene	0.00082	U	0.0040	0.00082	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Indeno[1,2,3-cd]pyrene	0.0027	U	0.0040	0.0027	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Naphthalene	0.0011	U	0.0040	0.0011	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Phenanthrene</b>	<b>0.0028</b>	<b>I</b>	0.0040	0.00096	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
Pyrene	0.0049	U	0.012	0.0049	mg/Kg	☼	09/27/24 13:52	09/28/24 19:02	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-methylnaphthalene-d10	51		27 - 148				09/27/24 13:52	09/28/24 19:02	1
Fluoranthene-d10 (Surr)	57		37 - 150				09/27/24 13:52	09/28/24 19:02	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.11	U	0.40	0.11	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2,4,6-Trichlorophenol	0.098	U	0.40	0.098	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2,4-Dichlorophenol	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2,4-Dimethylphenol	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2,4-Dinitrophenol	0.041	U	0.40	0.041	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2,4-Dinitrotoluene	0.12	U	0.40	0.12	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2,6-Dinitrotoluene	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: SB-4 (10-12')**

**Lab Sample ID: 670-48437-1**

**Date Collected: 09/24/24 11:15**

**Matrix: Solid**

**Date Received: 09/26/24 11:10**

**Percent Solids: 82.5**

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2-Chlorophenol	0.15	U	0.40	0.15	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
4,6-Dinitro-2-methylphenol	0.079	U	0.40	0.079	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2-Methylnaphthalene	0.12	U	0.40	0.12	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2-Methylphenol	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
2-Nitrophenol	0.12	U	0.40	0.12	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
3 & 4 Methylphenol	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
3,3'-Dichlorobenzidine	0.26	U	0.40	0.26	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
4-Bromophenyl phenyl ether	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
4-Chloro-3-methylphenol	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
4-Chlorophenyl phenyl ether	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
4-Nitrophenol	0.10	U	0.40	0.10	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Acenaphthene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Acenaphthylene	0.15	U	0.40	0.15	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Anthracene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Benzo[a]anthracene	0.15	U	0.40	0.15	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Benzo[a]pyrene	0.092	U	0.40	0.092	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Benzo[b]fluoranthene	0.12	U	0.40	0.12	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Benzo[g,h,i]perylene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Benzo[k]fluoranthene	0.15	U	0.40	0.15	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Bis(2-chloroethoxy)methane	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Bis(2-chloroethyl)ether	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
bis (2-chloroisopropyl) ether	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Bis(2-ethylhexyl) phthalate	0.088	U	0.40	0.088	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Butyl benzyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Chrysene	0.16	U	0.40	0.16	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Dibenz(a,h)anthracene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Diethyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Dimethyl phthalate	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Di-n-butyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Di-n-octyl phthalate	0.11	U	0.40	0.11	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Fluoranthene	0.15	U	0.40	0.15	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Fluorene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Hexachlorobenzene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Hexachlorobutadiene	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Hexachlorocyclopentadiene	0.11	U	0.40	0.11	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Hexachloroethane	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Indeno[1,2,3-cd]pyrene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Isophorone	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Naphthalene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Nitrobenzene	0.14	U	0.40	0.14	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
N-Nitrosodi-n-propylamine	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Pentachlorophenol	0.060	U	0.40	0.060	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Phenol	0.15	U	0.40	0.15	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Pyrene	0.15	U	0.40	0.15	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
Diphenylamine	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1
N-Nitrosodiphenylamine	0.13	U	0.40	0.13	mg/Kg	☼	10/01/24 07:49	10/01/24 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		45 - 130	10/01/24 07:49	10/01/24 21:37	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: SB-4 (10-12')**

**Lab Sample ID: 670-48437-1**

Date Collected: 09/24/24 11:15

Matrix: Solid

Date Received: 09/26/24 11:10

Percent Solids: 82.5

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	68		55 - 130	10/01/24 07:49	10/01/24 21:37	1
p-Terphenyl-d14 (Surr)	106		41 - 174	10/01/24 07:49	10/01/24 21:37	1
Phenol-d5 (Surr)	54		31 - 132	10/01/24 07:49	10/01/24 21:37	1
2-Fluorophenol (Surr)	60		38 - 141	10/01/24 07:49	10/01/24 21:37	1
2,4,6-Tribromophenol (Surr)	89		30 - 140	10/01/24 07:49	10/01/24 21:37	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	26	U	51	26	mg/Kg	☼	10/01/24 11:57	10/02/24 16:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	107		66 - 136	10/01/24 11:57	10/02/24 16:28	1
C35 (Surr)	100		36 - 132	10/01/24 11:57	10/02/24 16:28	1

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.8		1.2	0.095	mg/Kg	☼	10/02/24 10:51	10/02/24 14:50	5

**Client Sample ID: Resinate Blank**

**Lab Sample ID: 670-48437-2**

Date Collected: 09/24/24 12:00

Matrix: Water

Date Received: 09/26/24 11:10

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			09/30/24 15:56	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			09/30/24 15:56	1
1,1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			09/30/24 15:56	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			09/30/24 15:56	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			09/30/24 15:56	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			09/30/24 15:56	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			09/30/24 15:56	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			09/30/24 15:56	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			09/30/24 15:56	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			09/30/24 15:56	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			09/30/24 15:56	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			09/30/24 15:56	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			09/30/24 15:56	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			09/30/24 15:56	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 15:56	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			09/30/24 15:56	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			09/30/24 15:56	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			09/30/24 15:56	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			09/30/24 15:56	1
2-Hexanone	2.5	U	20	2.5	ug/L			09/30/24 15:56	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			09/30/24 15:56	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			09/30/24 15:56	1
Acetone	25	U	50	25	ug/L			09/30/24 15:56	1
Benzene	0.71	U	1.0	0.71	ug/L			09/30/24 15:56	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 15:56	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: Resinate Blank**

**Lab Sample ID: 670-48437-2**

Date Collected: 09/24/24 12:00

Matrix: Water

Date Received: 09/26/24 11:10

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			09/30/24 15:56	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			09/30/24 15:56	1
Bromoform	0.75	U	1.0	0.75	ug/L			09/30/24 15:56	1
Bromomethane	0.95	U	2.0	0.95	ug/L			09/30/24 15:56	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			09/30/24 15:56	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			09/30/24 15:56	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			09/30/24 15:56	1
Chloroethane	0.98	U	2.0	0.98	ug/L			09/30/24 15:56	1
Chloromethane	0.82	U	2.0	0.82	ug/L			09/30/24 15:56	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			09/30/24 15:56	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			09/30/24 15:56	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			09/30/24 15:56	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			09/30/24 15:56	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			09/30/24 15:56	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			09/30/24 15:56	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			09/30/24 15:56	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			09/30/24 15:56	1
Methylene Chloride	5.0	U	10	5.0	ug/L			09/30/24 15:56	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			09/30/24 15:56	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			09/30/24 15:56	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			09/30/24 15:56	1
o-Xylene	0.53	U	1.0	0.53	ug/L			09/30/24 15:56	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			09/30/24 15:56	1
Styrene	0.61	U	1.0	0.61	ug/L			09/30/24 15:56	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			09/30/24 15:56	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			09/30/24 15:56	1
Toluene	0.72	U	1.0	0.72	ug/L			09/30/24 15:56	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			09/30/24 15:56	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			09/30/24 15:56	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			09/30/24 15:56	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			09/30/24 15:56	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			09/30/24 15:56	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			09/30/24 15:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		40 - 146		09/30/24 15:56	1
4-Bromofluorobenzene (Surr)	102		41 - 142		09/30/24 15:56	1
Dibromofluoromethane (Surr)	111		53 - 146		09/30/24 15:56	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	310		25	4.0	ug/L			10/01/24 18:33	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		40 - 146		10/01/24 18:33	5
4-Bromofluorobenzene (Surr)	105		41 - 142		10/01/24 18:33	5
Dibromofluoromethane (Surr)	105		53 - 146		10/01/24 18:33	5

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: Field Blank**

**Lab Sample ID: 670-48437-3**

**Date Collected: 09/24/24 12:35**

**Matrix: Water**

**Date Received: 09/26/24 11:10**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			09/30/24 15:38	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			09/30/24 15:38	1
1,1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			09/30/24 15:38	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			09/30/24 15:38	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			09/30/24 15:38	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			09/30/24 15:38	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			09/30/24 15:38	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			09/30/24 15:38	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			09/30/24 15:38	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			09/30/24 15:38	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			09/30/24 15:38	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			09/30/24 15:38	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			09/30/24 15:38	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			09/30/24 15:38	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 15:38	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			09/30/24 15:38	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			09/30/24 15:38	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			09/30/24 15:38	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			09/30/24 15:38	1
2-Hexanone	2.5	U	20	2.5	ug/L			09/30/24 15:38	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			09/30/24 15:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			09/30/24 15:38	1
Acetone	25	U	50	25	ug/L			09/30/24 15:38	1
Benzene	0.71	U	1.0	0.71	ug/L			09/30/24 15:38	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 15:38	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			09/30/24 15:38	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			09/30/24 15:38	1
Bromoform	0.75	U	1.0	0.75	ug/L			09/30/24 15:38	1
Bromomethane	0.95	U	2.0	0.95	ug/L			09/30/24 15:38	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			09/30/24 15:38	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			09/30/24 15:38	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			09/30/24 15:38	1
Chloroethane	0.98	U	2.0	0.98	ug/L			09/30/24 15:38	1
Chloromethane	0.82	U	2.0	0.82	ug/L			09/30/24 15:38	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			09/30/24 15:38	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			09/30/24 15:38	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			09/30/24 15:38	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			09/30/24 15:38	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			09/30/24 15:38	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			09/30/24 15:38	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			09/30/24 15:38	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			09/30/24 15:38	1
Methylene Chloride	5.0	U	10	5.0	ug/L			09/30/24 15:38	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			09/30/24 15:38	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			09/30/24 15:38	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			09/30/24 15:38	1
o-Xylene	0.53	U	1.0	0.53	ug/L			09/30/24 15:38	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			09/30/24 15:38	1
Styrene	0.61	U	1.0	0.61	ug/L			09/30/24 15:38	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: Field Blank**

**Lab Sample ID: 670-48437-3**

Date Collected: 09/24/24 12:35

Matrix: Water

Date Received: 09/26/24 11:10

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			09/30/24 15:38	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			09/30/24 15:38	1
Toluene	0.72	U	1.0	0.72	ug/L			09/30/24 15:38	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			09/30/24 15:38	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			09/30/24 15:38	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			09/30/24 15:38	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			09/30/24 15:38	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			09/30/24 15:38	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			09/30/24 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		40 - 146		09/30/24 15:38	1
4-Bromofluorobenzene (Surr)	102		41 - 142		09/30/24 15:38	1
Dibromofluoromethane (Surr)	112		53 - 146		09/30/24 15:38	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	320		25	4.0	ug/L			10/01/24 18:54	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		10/01/24 18:54	5
4-Bromofluorobenzene (Surr)	107		41 - 142		10/01/24 18:54	5
Dibromofluoromethane (Surr)	103		53 - 146		10/01/24 18:54	5

**Client Sample ID: Trip Blank**

**Lab Sample ID: 670-48437-4**

Date Collected: 09/24/24 00:00

Matrix: Water

Date Received: 09/26/24 11:10

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			09/30/24 16:14	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			09/30/24 16:14	1
1,1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			09/30/24 16:14	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			09/30/24 16:14	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			09/30/24 16:14	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			09/30/24 16:14	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			09/30/24 16:14	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			09/30/24 16:14	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			09/30/24 16:14	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			09/30/24 16:14	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			09/30/24 16:14	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			09/30/24 16:14	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			09/30/24 16:14	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			09/30/24 16:14	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 16:14	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			09/30/24 16:14	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			09/30/24 16:14	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			09/30/24 16:14	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			09/30/24 16:14	1
2-Hexanone	2.5	U	20	2.5	ug/L			09/30/24 16:14	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			09/30/24 16:14	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 670-48437-4**

**Date Collected: 09/24/24 00:00**

**Matrix: Water**

**Date Received: 09/26/24 11:10**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			09/30/24 16:14	1
Acetone	25	U	50	25	ug/L			09/30/24 16:14	1
Benzene	0.71	U	1.0	0.71	ug/L			09/30/24 16:14	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 16:14	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			09/30/24 16:14	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			09/30/24 16:14	1
Bromoform	0.75	U	1.0	0.75	ug/L			09/30/24 16:14	1
Bromomethane	0.95	U	2.0	0.95	ug/L			09/30/24 16:14	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			09/30/24 16:14	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			09/30/24 16:14	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			09/30/24 16:14	1
Chloroethane	0.98	U	2.0	0.98	ug/L			09/30/24 16:14	1
Chloromethane	0.82	U	2.0	0.82	ug/L			09/30/24 16:14	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			09/30/24 16:14	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			09/30/24 16:14	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			09/30/24 16:14	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			09/30/24 16:14	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			09/30/24 16:14	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			09/30/24 16:14	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			09/30/24 16:14	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			09/30/24 16:14	1
Methylene Chloride	5.0	U	10	5.0	ug/L			09/30/24 16:14	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			09/30/24 16:14	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			09/30/24 16:14	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			09/30/24 16:14	1
o-Xylene	0.53	U	1.0	0.53	ug/L			09/30/24 16:14	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			09/30/24 16:14	1
Styrene	0.61	U	1.0	0.61	ug/L			09/30/24 16:14	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			09/30/24 16:14	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			09/30/24 16:14	1
Toluene	0.72	U	1.0	0.72	ug/L			09/30/24 16:14	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			09/30/24 16:14	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			09/30/24 16:14	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			09/30/24 16:14	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			09/30/24 16:14	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			09/30/24 16:14	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			09/30/24 16:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		40 - 146		09/30/24 16:14	1
4-Bromofluorobenzene (Surr)	98		41 - 142		09/30/24 16:14	1
Dibromofluoromethane (Surr)	112		53 - 146		09/30/24 16:14	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	810		50	8.0	ug/L			10/01/24 19:15	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		40 - 146		10/01/24 19:15	10
4-Bromofluorobenzene (Surr)	109		41 - 142		10/01/24 19:15	10

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 670-48437-4**

Date Collected: 09/24/24 00:00

Matrix: Water

Date Received: 09/26/24 11:10

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL (Continued)**

<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Dibromofluoromethane (Surr)	107		53 - 146		10/01/24 19:15	10

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Surrogate Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TOL (50-150)	BFB (50-150)	DBFM (50-150)
670-48437-1	SB-4 (10-12')	87	90	101
LCS 670-114586/4	Lab Control Sample	89	95	101
LCS 670-114586/5	Lab Control Sample Dup	87	94	97
MB 670-114586/8	Method Blank	87	88	102

### Surrogate Legend

TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TOL (40-146)	BFB (41-142)	DBFM (53-146)
670-48437-2	Resinate Blank	99	102	111
670-48437-2 - DL	Resinate Blank	105	105	105
670-48437-3	Field Blank	99	102	112
670-48437-3 - DL	Field Blank	101	107	103
670-48437-4	Trip Blank	103	98	112
670-48437-4 - DL	Trip Blank	106	109	107
LCS 670-113693/5	Lab Control Sample	101	104	109
LCS 670-113884/6	Lab Control Sample	100	100	96
MB 670-113693/8	Method Blank	101	103	112
MB 670-113884/9	Method Blank	104	108	102

### Surrogate Legend

TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (45-130)	FBP (55-130)	TPHd14 (41-174)	PHL (31-132)	2FP (38-141)	TBP (30-140)
670-48437-1	SB-4 (10-12')	77	68	106	54	60	89
LCS 670-113866/2-A	Lab Control Sample	91	81	91	82	76	88
MB 670-113866/1-A	Method Blank	82	74	101	61	71	84

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)  
FBP = 2-Fluorobiphenyl  
TPHd14 = p-Terphenyl-d14 (Surr)  
PHL = Phenol-d5 (Surr)  
2FP = 2-Fluorophenol (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)

# Surrogate Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	2MN	FLN10
		(27-148)	(37-150)
670-48437-1	SB-4 (10-12')	51	57
LCS 670-113560/2-A	Lab Control Sample	55	67
MB 670-113560/1-A	Method Blank	65	76

#### Surrogate Legend

2MN = 2-methylnaphthalene-d10

FLN10 = Fluoranthene-d10 (Surr)

## Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTP	C-35
		(66-136)	(36-132)
670-48437-1	SB-4 (10-12')	107	100
LCS 670-113947/2-A	Lab Control Sample	122	90
MB 670-113947/1-A	Method Blank	125	132

#### Surrogate Legend

OTP = o- terphenyl (Surr)

C-35 = C35 (Surr)

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 670-113693/8**  
**Matrix: Water**  
**Analysis Batch: 113693**

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			09/30/24 11:09	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			09/30/24 11:09	1
1,1,1,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			09/30/24 11:09	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			09/30/24 11:09	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			09/30/24 11:09	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			09/30/24 11:09	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			09/30/24 11:09	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			09/30/24 11:09	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			09/30/24 11:09	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			09/30/24 11:09	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			09/30/24 11:09	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			09/30/24 11:09	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			09/30/24 11:09	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			09/30/24 11:09	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 11:09	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			09/30/24 11:09	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			09/30/24 11:09	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			09/30/24 11:09	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			09/30/24 11:09	1
2-Hexanone	2.5	U	20	2.5	ug/L			09/30/24 11:09	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			09/30/24 11:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			09/30/24 11:09	1
Acetone	25	U	50	25	ug/L			09/30/24 11:09	1
Benzene	0.71	U	1.0	0.71	ug/L			09/30/24 11:09	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			09/30/24 11:09	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			09/30/24 11:09	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			09/30/24 11:09	1
Bromoform	0.75	U	1.0	0.75	ug/L			09/30/24 11:09	1
Bromomethane	0.95	U	2.0	0.95	ug/L			09/30/24 11:09	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			09/30/24 11:09	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			09/30/24 11:09	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			09/30/24 11:09	1
Chloroethane	0.98	U	2.0	0.98	ug/L			09/30/24 11:09	1
Chloroform	0.80	U	5.0	0.80	ug/L			09/30/24 11:09	1
Chloromethane	0.82	U	2.0	0.82	ug/L			09/30/24 11:09	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			09/30/24 11:09	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			09/30/24 11:09	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			09/30/24 11:09	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			09/30/24 11:09	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			09/30/24 11:09	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			09/30/24 11:09	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			09/30/24 11:09	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			09/30/24 11:09	1
Methylene Chloride	5.0	U	10	5.0	ug/L			09/30/24 11:09	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			09/30/24 11:09	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			09/30/24 11:09	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			09/30/24 11:09	1
o-Xylene	0.53	U	1.0	0.53	ug/L			09/30/24 11:09	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-113693/8**  
**Matrix: Water**  
**Analysis Batch: 113693**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			09/30/24 11:09	1
Styrene	0.61	U	1.0	0.61	ug/L			09/30/24 11:09	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			09/30/24 11:09	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			09/30/24 11:09	1
Toluene	0.72	U	1.0	0.72	ug/L			09/30/24 11:09	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			09/30/24 11:09	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			09/30/24 11:09	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			09/30/24 11:09	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			09/30/24 11:09	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			09/30/24 11:09	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			09/30/24 11:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		40 - 146		09/30/24 11:09	1
4-Bromofluorobenzene (Surr)	103		41 - 142		09/30/24 11:09	1
Dibromofluoromethane (Surr)	112		53 - 146		09/30/24 11:09	1

**Lab Sample ID: LCS 670-113693/5**  
**Matrix: Water**  
**Analysis Batch: 113693**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.8		ug/L		99	54 - 141
1,1,1-Trichloroethane	20.0	21.0		ug/L		105	57 - 148
1,1,2,2-Tetrachloroethane	20.0	17.9		ug/L		89	60 - 139
1,1,2-Trichloroethane	20.0	19.3		ug/L		96	57 - 141
1,1-Dichloroethane	20.0	19.9		ug/L		99	57 - 142
1,1-Dichloroethene	20.0	20.3		ug/L		101	47 - 139
1,1-Dichloropropene	20.0	18.6		ug/L		93	56 - 137
1,2,3-Trichloropropane	20.0	19.7		ug/L		98	57 - 141
1,2,4-Trimethylbenzene	20.0	19.9		ug/L		99	59 - 142
Ethylene Dibromide	20.0	18.3		ug/L		91	57 - 140
1,2-Dichloroethane	20.0	22.2		ug/L		111	50 - 156
1,2-Dichloropropane	20.0	18.6		ug/L		93	61 - 133
1,3,5-Trimethylbenzene	20.0	20.2		ug/L		101	61 - 137
1,3-Dichloropropane	20.0	18.6		ug/L		93	50 - 148
1,3-Dichlorobenzene	20.0	19.3		ug/L		96	66 - 129
1,4-Dichlorobenzene	20.0	19.3		ug/L		96	65 - 133
2,2-Dichloropropane	20.0	21.4		ug/L		107	54 - 146
2-Butanone (MEK)	200	171		ug/L		85	10 - 180
2-Chlorotoluene	20.0	20.7		ug/L		104	64 - 133
2-Hexanone	200	211		ug/L		105	12 - 180
4-Chlorotoluene	20.0	19.3		ug/L		97	62 - 138
4-Methyl-2-pentanone (MIBK)	200	204		ug/L		102	19 - 180
Acetone	200	187		ug/L		93	10 - 180
Benzene	20.0	18.8		ug/L		94	56 - 136
Bromobenzene	20.0	19.8		ug/L		99	59 - 147
Chlorobromomethane	20.0	19.1		ug/L		96	54 - 141

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 670-113693/5**  
**Matrix: Water**  
**Analysis Batch: 113693**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	20.0	20.5		ug/L		103	58 - 135
Bromoform	20.0	19.5		ug/L		97	46 - 148
Bromomethane	20.0	28.0		ug/L		140	10 - 173
Carbon disulfide	20.0	18.7		ug/L		93	43 - 153
Carbon tetrachloride	20.0	21.3		ug/L		107	54 - 156
Chlorobenzene	20.0	19.2		ug/L		96	51 - 139
Chloroethane	20.0	20.6		ug/L		103	27 - 180
Chloroform	20.0	20.6		ug/L		103	58 - 139
Chloromethane	20.0	17.4		ug/L		87	33 - 154
cis-1,2-Dichloroethene	20.0	18.5		ug/L		92	56 - 128
cis-1,3-Dichloropropene	20.0	18.0		ug/L		90	64 - 128
Chlorodibromomethane	20.0	19.7		ug/L		98	50 - 140
Dibromomethane	20.0	22.1		ug/L		110	59 - 143
Dichlorodifluoromethane	20.0	9.61		ug/L		48	10 - 180
Ethylbenzene	20.0	18.8		ug/L		94	63 - 133
Isopropylbenzene	20.0	19.4		ug/L		97	60 - 132
m-Xylene & p-Xylene	20.0	18.6		ug/L		93	64 - 133
Methylene Chloride	20.0	19.5		ug/L		98	43 - 142
Methyl tert-butyl ether	20.0	19.4		ug/L		97	51 - 145
n-Butylbenzene	20.0	17.9		ug/L		90	59 - 148
N-Propylbenzene	20.0	18.6		ug/L		93	63 - 135
o-Xylene	20.0	18.7		ug/L		94	61 - 129
sec-Butylbenzene	20.0	18.6		ug/L		93	63 - 137
Styrene	20.0	18.2		ug/L		91	59 - 136
tert-Butylbenzene	20.0	19.8		ug/L		99	61 - 136
Tetrachloroethene	20.0	18.9		ug/L		94	60 - 147
Toluene	20.0	18.0		ug/L		90	64 - 131
trans-1,2-Dichloroethene	20.0	18.4		ug/L		92	54 - 134
trans-1,3-Dichloropropene	20.0	19.1		ug/L		95	65 - 149
Trichloroethene	20.0	19.7		ug/L		98	62 - 135
Trichlorofluoromethane	20.0	21.9		ug/L		110	56 - 155
Vinyl chloride	20.0	16.0		ug/L		80	20 - 167
Xylenes, Total	40.0	37.3		ug/L		93	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	101		40 - 146
4-Bromofluorobenzene (Surr)	104		41 - 142
Dibromofluoromethane (Surr)	109		53 - 146

**Lab Sample ID: MB 670-113884/9**  
**Matrix: Water**  
**Analysis Batch: 113884**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/01/24 12:19	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/01/24 12:19	1
1,1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/01/24 12:19	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/01/24 12:19	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-113884/9**

**Matrix: Water**

**Analysis Batch: 113884**

**Client Sample ID: Method Blank**

**Prep Type: Total/NA**

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/01/24 12:19	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/01/24 12:19	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/01/24 12:19	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/01/24 12:19	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/01/24 12:19	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/01/24 12:19	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/01/24 12:19	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/01/24 12:19	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/01/24 12:19	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/01/24 12:19	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/01/24 12:19	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/01/24 12:19	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/01/24 12:19	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/01/24 12:19	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/01/24 12:19	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/01/24 12:19	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/01/24 12:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/01/24 12:19	1
Acetone	25	U	50	25	ug/L			10/01/24 12:19	1
Benzene	0.71	U	1.0	0.71	ug/L			10/01/24 12:19	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/01/24 12:19	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/01/24 12:19	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/01/24 12:19	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/01/24 12:19	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/01/24 12:19	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/01/24 12:19	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/01/24 12:19	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/01/24 12:19	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/01/24 12:19	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/01/24 12:19	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/01/24 12:19	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/01/24 12:19	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/01/24 12:19	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/01/24 12:19	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/01/24 12:19	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/01/24 12:19	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/01/24 12:19	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/01/24 12:19	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/01/24 12:19	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/01/24 12:19	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/01/24 12:19	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/01/24 12:19	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/01/24 12:19	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/01/24 12:19	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/01/24 12:19	1
Styrene	0.61	U	1.0	0.61	ug/L			10/01/24 12:19	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/01/24 12:19	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/01/24 12:19	1
Toluene	0.72	U	1.0	0.72	ug/L			10/01/24 12:19	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-113884/9**  
**Matrix: Water**  
**Analysis Batch: 113884**

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/01/24 12:19	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/01/24 12:19	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/01/24 12:19	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/01/24 12:19	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/01/24 12:19	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/01/24 12:19	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	104		40 - 146		10/01/24 12:19	1
4-Bromofluorobenzene (Surr)	108		41 - 142		10/01/24 12:19	1
Dibromofluoromethane (Surr)	102		53 - 146		10/01/24 12:19	1

**Lab Sample ID: LCS 670-113884/6**  
**Matrix: Water**  
**Analysis Batch: 113884**

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1,2-Tetrachloroethane	20.0	21.8		ug/L		109	54 - 141
1,1,1-Trichloroethane	20.0	21.3		ug/L		106	57 - 148
1,1,2,2-Tetrachloroethane	20.0	23.8		ug/L		119	60 - 139
1,1,2-Trichloroethane	20.0	22.2		ug/L		111	57 - 141
1,1-Dichloroethane	20.0	23.5		ug/L		118	57 - 142
1,1-Dichloroethene	20.0	23.5		ug/L		117	47 - 139
1,1-Dichloropropene	20.0	20.9		ug/L		105	56 - 137
1,2,3-Trichloropropane	20.0	21.4		ug/L		107	57 - 141
1,2,4-Trimethylbenzene	20.0	22.7		ug/L		114	59 - 142
Ethylene Dibromide	20.0	20.6		ug/L		103	57 - 140
1,2-Dichloroethane	20.0	24.4		ug/L		122	50 - 156
1,2-Dichloropropane	20.0	23.7		ug/L		118	61 - 133
1,3,5-Trimethylbenzene	20.0	22.9		ug/L		115	61 - 137
1,3-Dichloropropane	20.0	22.5		ug/L		113	50 - 148
1,3-Dichlorobenzene	20.0	22.8		ug/L		114	66 - 129
1,4-Dichlorobenzene	20.0	23.3		ug/L		117	65 - 133
2,2-Dichloropropane	20.0	20.0		ug/L		100	54 - 146
2-Butanone (MEK)	200	207		ug/L		104	10 - 180
2-Chlorotoluene	20.0	22.9		ug/L		114	64 - 133
2-Hexanone	200	232		ug/L		116	12 - 180
4-Chlorotoluene	20.0	23.7		ug/L		118	62 - 138
4-Methyl-2-pentanone (MIBK)	200	231		ug/L		115	19 - 180
Acetone	200	227		ug/L		114	10 - 180
Benzene	20.0	22.5		ug/L		112	56 - 136
Bromobenzene	20.0	21.5		ug/L		108	59 - 147
Chlorobromomethane	20.0	18.6		ug/L		93	54 - 141
Dichlorobromomethane	20.0	22.9		ug/L		115	58 - 135
Bromoform	20.0	19.9		ug/L		99	46 - 148
Bromomethane	20.0	25.1		ug/L		126	10 - 173
Carbon disulfide	20.0	20.2		ug/L		101	43 - 153
Carbon tetrachloride	20.0	20.7		ug/L		104	54 - 156

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 670-113884/6**  
**Matrix: Water**  
**Analysis Batch: 113884**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	20.0	21.8		ug/L		109	51 - 139
Chloroethane	20.0	24.4		ug/L		122	27 - 180
Chloroform	20.0	23.1		ug/L		115	58 - 139
Chloromethane	20.0	18.8		ug/L		94	33 - 154
cis-1,2-Dichloroethene	20.0	23.4		ug/L		117	56 - 128
cis-1,3-Dichloropropene	20.0	20.2		ug/L		101	64 - 128
Chlorodibromomethane	20.0	20.9		ug/L		104	50 - 140
Dibromomethane	20.0	22.3		ug/L		112	59 - 143
Dichlorodifluoromethane	20.0	10.5		ug/L		53	10 - 180
Ethylbenzene	20.0	22.2		ug/L		111	63 - 133
Isopropylbenzene	20.0	22.3		ug/L		112	60 - 132
m-Xylene & p-Xylene	20.0	22.0		ug/L		110	64 - 133
Methylene Chloride	20.0	21.3		ug/L		107	43 - 142
Methyl tert-butyl ether	20.0	19.2		ug/L		96	51 - 145
n-Butylbenzene	20.0	25.3		ug/L		126	59 - 148
N-Propylbenzene	20.0	24.8		ug/L		124	63 - 135
o-Xylene	20.0	21.3		ug/L		107	61 - 129
sec-Butylbenzene	20.0	23.9		ug/L		119	63 - 137
Styrene	20.0	21.8		ug/L		109	59 - 136
tert-Butylbenzene	20.0	23.2		ug/L		116	61 - 136
Tetrachloroethene	20.0	19.9		ug/L		100	60 - 147
Toluene	20.0	20.7		ug/L		104	64 - 131
trans-1,2-Dichloroethene	20.0	20.9		ug/L		105	54 - 134
trans-1,3-Dichloropropene	20.0	22.5		ug/L		113	65 - 149
Trichloroethene	20.0	19.4		ug/L		97	62 - 135
Trichlorofluoromethane	20.0	22.9		ug/L		114	56 - 155
Vinyl chloride	20.0	19.8		ug/L		99	20 - 167
Xylenes, Total	40.0	43.3		ug/L		108	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		40 - 146
4-Bromofluorobenzene (Surr)	100		41 - 142
Dibromofluoromethane (Surr)	96		53 - 146

**Lab Sample ID: MB 670-114586/8**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.00070	U	0.012	0.00070	mg/Kg			10/04/24 12:19	1
1,1,1-Trichloroethane	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
1,1,2,2-Tetrachloroethane	0.00060	U	0.012	0.00060	mg/Kg			10/04/24 12:19	1
1,1,2-Trichloroethane	0.00069	U	0.012	0.00069	mg/Kg			10/04/24 12:19	1
1,1-Dichloroethane	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
1,1-Dichloroethene	0.00062	U	0.012	0.00062	mg/Kg			10/04/24 12:19	1
1,1-Dichloropropene	0.00054	U	0.012	0.00054	mg/Kg			10/04/24 12:19	1
1,2,3-Trichloropropane	0.0011	U	0.030	0.0011	mg/Kg			10/04/24 12:19	1
1,2,4-Trimethylbenzene	0.00068	U	0.030	0.00068	mg/Kg			10/04/24 12:19	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
 Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-114586/8**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylene Dibromide	0.00067	U	0.012	0.00067	mg/Kg			10/04/24 12:19	1
1,2-Dichloroethane	0.00053	U	0.060	0.00053	mg/Kg			10/04/24 12:19	1
1,2-Dichloropropane	0.00059	U	0.012	0.00059	mg/Kg			10/04/24 12:19	1
1,3,5-Trimethylbenzene	0.015	U	0.030	0.015	mg/Kg			10/04/24 12:19	1
1,3-Dichloropropane	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
1,3-Dichlorobenzene	0.00060	U	0.030	0.00060	mg/Kg			10/04/24 12:19	1
1,4-Dichlorobenzene	0.00051	U	0.012	0.00051	mg/Kg			10/04/24 12:19	1
2,2-Dichloropropane	0.00050	U	0.030	0.00050	mg/Kg			10/04/24 12:19	1
2-Butanone (MEK)	0.025	U	0.10	0.025	mg/Kg			10/04/24 12:19	1
2-Chlorotoluene	0.00048	U	0.012	0.00048	mg/Kg			10/04/24 12:19	1
2-Hexanone	0.025	U	0.10	0.025	mg/Kg			10/04/24 12:19	1
4-Chlorotoluene	0.00061	U	0.012	0.00061	mg/Kg			10/04/24 12:19	1
4-Methyl-2-pentanone (MIBK)	0.025	U	0.10	0.025	mg/Kg			10/04/24 12:19	1
Acetone	0.025	U	0.10	0.025	mg/Kg			10/04/24 12:19	1
Benzene	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
Bromobenzene	0.00072	U	0.012	0.00072	mg/Kg			10/04/24 12:19	1
Chlorobromomethane	0.00086	U	0.012	0.00086	mg/Kg			10/04/24 12:19	1
Dichlorobromomethane	0.00063	U	0.012	0.00063	mg/Kg			10/04/24 12:19	1
Bromoform	0.00078	U	0.012	0.00078	mg/Kg			10/04/24 12:19	1
Bromomethane	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
Carbon disulfide	0.0025	U	0.012	0.0025	mg/Kg			10/04/24 12:19	1
Carbon tetrachloride	0.00060	U	0.012	0.00060	mg/Kg			10/04/24 12:19	1
Chlorobenzene	0.00053	U	0.012	0.00053	mg/Kg			10/04/24 12:19	1
Chloroethane	0.00067	U	0.012	0.00067	mg/Kg			10/04/24 12:19	1
Chloroform	0.00147	I	0.012	0.00061	mg/Kg			10/04/24 12:19	1
Chloromethane	0.00065	U	0.012	0.00065	mg/Kg			10/04/24 12:19	1
cis-1,2-Dichloroethene	0.00064	U	0.012	0.00064	mg/Kg			10/04/24 12:19	1
cis-1,3-Dichloropropene	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
Chlorodibromomethane	0.00072	U	0.012	0.00072	mg/Kg			10/04/24 12:19	1
Dibromomethane	0.00086	U	0.012	0.00086	mg/Kg			10/04/24 12:19	1
Dichlorodifluoromethane	0.00062	U	0.012	0.00062	mg/Kg			10/04/24 12:19	1
Ethylbenzene	0.00058	U	0.012	0.00058	mg/Kg			10/04/24 12:19	1
Isopropylbenzene	0.00054	U	0.012	0.00054	mg/Kg			10/04/24 12:19	1
m-Xylene & p-Xylene	0.0011	U	0.020	0.0011	mg/Kg			10/04/24 12:19	1
Methylene Chloride	0.020	U	0.070	0.020	mg/Kg			10/04/24 12:19	1
Methyl tert-butyl ether	0.00063	U	0.012	0.00063	mg/Kg			10/04/24 12:19	1
n-Butylbenzene	0.00090	U	0.012	0.00090	mg/Kg			10/04/24 12:19	1
N-Propylbenzene	0.00063	U	0.012	0.00063	mg/Kg			10/04/24 12:19	1
o-Xylene	0.00056	U	0.020	0.00056	mg/Kg			10/04/24 12:19	1
sec-Butylbenzene	0.00065	U	0.012	0.00065	mg/Kg			10/04/24 12:19	1
Styrene	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
tert-Butylbenzene	0.00070	U	0.012	0.00070	mg/Kg			10/04/24 12:19	1
Tetrachloroethene	0.00067	U	0.012	0.00067	mg/Kg			10/04/24 12:19	1
Toluene	0.0030	U	0.012	0.0030	mg/Kg			10/04/24 12:19	1
trans-1,2-Dichloroethene	0.00069	U	0.012	0.00069	mg/Kg			10/04/24 12:19	1
trans-1,3-Dichloropropene	0.00050	U	0.012	0.00050	mg/Kg			10/04/24 12:19	1
Trichloroethene	0.00060	U	0.012	0.00060	mg/Kg			10/04/24 12:19	1
Trichlorofluoromethane	0.00054	U	0.012	0.00054	mg/Kg			10/04/24 12:19	1
Vinyl chloride	0.00044	U	0.012	0.00044	mg/Kg			10/04/24 12:19	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-114586/8**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	0.0011	U	0.020	0.0011	mg/Kg			10/04/24 12:19	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	87		50 - 150					10/04/24 12:19	1
4-Bromofluorobenzene (Surr)	88		50 - 150					10/04/24 12:19	1
Dibromofluoromethane (Surr)	102		50 - 150					10/04/24 12:19	1

**Lab Sample ID: LCS 670-114586/4**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	0.0500	0.0474		mg/Kg		95	51 - 147
1,1,1-Trichloroethane	0.0500	0.0450		mg/Kg		90	45 - 157
1,1,2,2-Tetrachloroethane	0.0500	0.0376		mg/Kg		75	47 - 151
1,1,2-Trichloroethane	0.0500	0.0400		mg/Kg		80	49 - 148
1,1-Dichloroethane	0.0500	0.0434		mg/Kg		87	52 - 148
1,1-Dichloroethene	0.0500	0.0439		mg/Kg		88	22 - 166
1,1-Dichloropropene	0.0500	0.0401		mg/Kg		80	49 - 144
1,2,3-Trichloropropane	0.0500	0.0421		mg/Kg		84	45 - 150
1,2,4-Trimethylbenzene	0.0500	0.0387		mg/Kg		77	57 - 137
Ethylene Dibromide	0.0500	0.0429		mg/Kg		86	52 - 145
1,2-Dichloroethane	0.0500	0.0419	I	mg/Kg		84	39 - 162
1,2-Dichloropropane	0.0500	0.0434		mg/Kg		87	52 - 139
1,3,5-Trimethylbenzene	0.0500	0.0395		mg/Kg		79	57 - 134
1,3-Dichloropropane	0.0500	0.0390		mg/Kg		78	45 - 154
1,3-Dichlorobenzene	0.0500	0.0444		mg/Kg		89	60 - 131
1,4-Dichlorobenzene	0.0500	0.0433		mg/Kg		87	61 - 135
2,2-Dichloropropane	0.0500	0.0442		mg/Kg		88	46 - 150
2-Butanone (MEK)	0.500	0.351		mg/Kg		70	10 - 180
2-Chlorotoluene	0.0500	0.0393		mg/Kg		79	55 - 135
2-Hexanone	0.500	0.321		mg/Kg		64	43 - 177
4-Chlorotoluene	0.0500	0.0385		mg/Kg		77	59 - 135
4-Methyl-2-pentanone (MIBK)	0.500	0.325		mg/Kg		65	31 - 174
Acetone	0.500	0.400		mg/Kg		80	21 - 180
Benzene	0.0500	0.0464		mg/Kg		93	49 - 152
Bromobenzene	0.0500	0.0485		mg/Kg		97	49 - 157
Chlorobromomethane	0.0500	0.0496		mg/Kg		99	47 - 148
Dichlorobromomethane	0.0500	0.0455		mg/Kg		91	45 - 146
Bromoform	0.0500	0.0456		mg/Kg		91	40 - 155
Bromomethane	0.0500	0.0683		mg/Kg		137	10 - 180
Carbon disulfide	0.0500	0.0391		mg/Kg		78	19 - 177
Carbon tetrachloride	0.0500	0.0440		mg/Kg		88	43 - 163
Chlorobenzene	0.0500	0.0420		mg/Kg		84	45 - 147
Chloroethane	0.0500	0.0475		mg/Kg		95	10 - 180
Chloroform	0.0500	0.0478		mg/Kg		96	48 - 148
Chloromethane	0.0500	0.0588		mg/Kg		118	38 - 160
cis-1,2-Dichloroethene	0.0500	0.0461		mg/Kg		92	48 - 137

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 670-114586/4**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	0.0500	0.0398		mg/Kg		80	54 - 140
Chlorodibromomethane	0.0500	0.0438		mg/Kg		88	44 - 149
Dibromomethane	0.0500	0.0451		mg/Kg		90	46 - 153
Dichlorodifluoromethane	0.0500	0.0751		mg/Kg		150	15 - 180
Ethylbenzene	0.0500	0.0408		mg/Kg		82	54 - 139
Isopropylbenzene	0.0500	0.0398		mg/Kg		80	55 - 137
m-Xylene & p-Xylene	0.0500	0.0390		mg/Kg		78	57 - 138
Methylene Chloride	0.0500	0.0436	I	mg/Kg		87	28 - 152
Methyl tert-butyl ether	0.0500	0.0420		mg/Kg		84	40 - 153
n-Butylbenzene	0.0500	0.0358		mg/Kg		72	52 - 148
N-Propylbenzene	0.0500	0.0382		mg/Kg		76	54 - 141
o-Xylene	0.0500	0.0388		mg/Kg		78	56 - 133
sec-Butylbenzene	0.0500	0.0383		mg/Kg		77	61 - 134
Styrene	0.0500	0.0403		mg/Kg		81	55 - 139
tert-Butylbenzene	0.0500	0.0437		mg/Kg		87	59 - 134
Tetrachloroethene	0.0500	0.0470		mg/Kg		94	46 - 163
Toluene	0.0500	0.0383		mg/Kg		77	55 - 136
trans-1,2-Dichloroethene	0.0500	0.0480		mg/Kg		96	50 - 138
trans-1,3-Dichloropropene	0.0500	0.0383		mg/Kg		77	52 - 155
Trichloroethene	0.0500	0.0479		mg/Kg		96	51 - 147
Trichlorofluoromethane	0.0500	0.0477		mg/Kg		95	49 - 163
Vinyl chloride	0.0500	0.0554		mg/Kg		111	29 - 158
Xylenes, Total	0.100	0.0778		mg/Kg		78	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	89		50 - 150
4-Bromofluorobenzene (Surr)	95		50 - 150
Dibromofluoromethane (Surr)	101		50 - 150

**Lab Sample ID: LCSD 670-114586/5**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.0500	0.0498		mg/Kg		100	51 - 147	5	23
1,1,1-Trichloroethane	0.0500	0.0446		mg/Kg		89	45 - 157	1	27
1,1,2,2-Tetrachloroethane	0.0500	0.0408		mg/Kg		82	47 - 151	8	27
1,1,2-Trichloroethane	0.0500	0.0415		mg/Kg		83	49 - 148	4	28
1,1-Dichloroethane	0.0500	0.0416		mg/Kg		83	52 - 148	4	37
1,1-Dichloroethene	0.0500	0.0448		mg/Kg		90	22 - 166	2	23
1,1-Dichloropropene	0.0500	0.0403		mg/Kg		81	49 - 144	1	42
1,2,3-Trichloropropane	0.0500	0.0449		mg/Kg		90	45 - 150	6	27
1,2,4-Trimethylbenzene	0.0500	0.0400		mg/Kg		80	57 - 137	3	33
Ethylene Dibromide	0.0500	0.0450		mg/Kg		90	52 - 145	5	36
1,2-Dichloroethane	0.0500	0.0412	I	mg/Kg		82	39 - 162	2	20
1,2-Dichloropropane	0.0500	0.0425		mg/Kg		85	52 - 139	2	27
1,3,5-Trimethylbenzene	0.0500	0.0409		mg/Kg		82	57 - 134	4	28
1,3-Dichloropropane	0.0500	0.0398		mg/Kg		80	45 - 154	2	38

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 670-114586/5**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,3-Dichlorobenzene	0.0500	0.0455		mg/Kg		91	60 - 131	3	32
1,4-Dichlorobenzene	0.0500	0.0458		mg/Kg		92	61 - 135	6	33
2,2-Dichloropropane	0.0500	0.0414		mg/Kg		83	46 - 150	7	28
2-Butanone (MEK)	0.500	0.374		mg/Kg		75	10 - 180	6	35
2-Chlorotoluene	0.0500	0.0411		mg/Kg		82	55 - 135	4	26
2-Hexanone	0.500	0.344		mg/Kg		69	43 - 177	7	31
4-Chlorotoluene	0.0500	0.0401		mg/Kg		80	59 - 135	4	29
4-Methyl-2-pentanone (MIBK)	0.500	0.345		mg/Kg		69	31 - 174	6	33
Acetone	0.500	0.373		mg/Kg		75	21 - 180	7	50
Benzene	0.0500	0.0467		mg/Kg		93	49 - 152	1	19
Bromobenzene	0.0500	0.0493		mg/Kg		99	49 - 157	2	33
Chlorobromomethane	0.0500	0.0498		mg/Kg		100	47 - 148	0	33
Dichlorobromomethane	0.0500	0.0458		mg/Kg		92	45 - 146	1	21
Bromoform	0.0500	0.0487		mg/Kg		97	40 - 155	7	27
Bromomethane	0.0500	0.0633		mg/Kg		127	10 - 180	8	34
Carbon disulfide	0.0500	0.0361		mg/Kg		72	19 - 177	8	43
Carbon tetrachloride	0.0500	0.0436		mg/Kg		87	43 - 163	1	20
Chlorobenzene	0.0500	0.0443		mg/Kg		89	45 - 147	5	18
Chloroethane	0.0500	0.0446		mg/Kg		89	10 - 180	6	49
Chloroform	0.0500	0.0463		mg/Kg		93	48 - 148	3	29
Chloromethane	0.0500	0.0596		mg/Kg		119	38 - 160	1	30
cis-1,2-Dichloroethene	0.0500	0.0453		mg/Kg		91	48 - 137	2	20
cis-1,3-Dichloropropene	0.0500	0.0419		mg/Kg		84	54 - 140	5	27
Chlorodibromomethane	0.0500	0.0446		mg/Kg		89	44 - 149	2	25
Dibromomethane	0.0500	0.0468		mg/Kg		94	46 - 153	4	26
Dichlorodifluoromethane	0.0500	0.0731		mg/Kg		146	15 - 180	3	44
Ethylbenzene	0.0500	0.0427		mg/Kg		85	54 - 139	5	33
Isopropylbenzene	0.0500	0.0427		mg/Kg		85	55 - 137	7	28
m-Xylene & p-Xylene	0.0500	0.0410		mg/Kg		82	57 - 138	5	31
Methylene Chloride	0.0500	0.0439		mg/Kg		88	28 - 152	0	50
Methyl tert-butyl ether	0.0500	0.0428		mg/Kg		86	40 - 153	2	42
n-Butylbenzene	0.0500	0.0365		mg/Kg		73	52 - 148	2	31
N-Propylbenzene	0.0500	0.0399		mg/Kg		80	54 - 141	4	32
o-Xylene	0.0500	0.0406		mg/Kg		81	56 - 133	4	29
sec-Butylbenzene	0.0500	0.0396		mg/Kg		79	61 - 134	3	27
Styrene	0.0500	0.0429		mg/Kg		86	55 - 139	6	31
tert-Butylbenzene	0.0500	0.0448		mg/Kg		90	59 - 134	2	25
Tetrachloroethene	0.0500	0.0476		mg/Kg		95	46 - 163	1	26
Toluene	0.0500	0.0379		mg/Kg		76	55 - 136	1	21
trans-1,2-Dichloroethene	0.0500	0.0445		mg/Kg		89	50 - 138	8	29
trans-1,3-Dichloropropene	0.0500	0.0381		mg/Kg		76	52 - 155	1	21
Trichloroethene	0.0500	0.0495		mg/Kg		99	51 - 147	3	26
Trichlorofluoromethane	0.0500	0.0466		mg/Kg		93	49 - 163	2	42
Vinyl chloride	0.0500	0.0598		mg/Kg		120	29 - 158	8	23
Xylenes, Total	0.100	0.0816		mg/Kg		82	50 - 150	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Toluene-d8 (Surr)	87		50 - 150

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCSD 670-114586/5**  
**Matrix: Solid**  
**Analysis Batch: 114586**

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

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	94		50 - 150
Dibromofluoromethane (Surr)	97		50 - 150

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

**Lab Sample ID: MB 670-113866/1-A**  
**Matrix: Solid**  
**Analysis Batch: 113859**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113866**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	0.095	U	0.33	0.095	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2,4,6-Trichlorophenol	0.081	U	0.33	0.081	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2,4-Dichlorophenol	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2,4-Dimethylphenol	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2,4-Dinitrophenol	0.034	U	0.33	0.034	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2,4-Dinitrotoluene	0.098	U	0.33	0.098	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2,6-Dinitrotoluene	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2-Chloronaphthalene	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2-Chlorophenol	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
4,6-Dinitro-2-methylphenol	0.065	U	0.33	0.065	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2-Methylnaphthalene	0.10	U	0.33	0.10	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2-Methylphenol	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
2-Nitrophenol	0.099	U	0.33	0.099	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
3 & 4 Methylphenol	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
3,3'-Dichlorobenzidine	0.22	U	0.33	0.22	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
4-Bromophenyl phenyl ether	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
4-Chloro-3-methylphenol	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
4-Chlorophenyl phenyl ether	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
4-Nitrophenol	0.083	U	0.33	0.083	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Acenaphthene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Acenaphthylene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Anthracene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Benzo[a]anthracene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Benzo[a]pyrene	0.076	U	0.33	0.076	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Benzo[b]fluoranthene	0.10	U	0.33	0.10	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Benzo[g,h,i]perylene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Benzo[k]fluoranthene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Bis(2-chloroethoxy)methane	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Bis(2-chloroethyl)ether	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
bis (2-chloroisopropyl) ether	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Bis(2-ethylhexyl) phthalate	0.073	U	0.33	0.073	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Butyl benzyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Chrysene	0.13	U	0.33	0.13	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Dibenz(a,h)anthracene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Diethyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Dimethyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Di-n-butyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Di-n-octyl phthalate	0.093	U	0.33	0.093	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Fluoranthene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

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

**Lab Sample ID: MB 670-113866/1-A**  
**Matrix: Solid**  
**Analysis Batch: 113859**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113866**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Hexachlorobenzene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Hexachlorobutadiene	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Hexachlorocyclopentadiene	0.088	U	0.33	0.088	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Hexachloroethane	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Indeno[1,2,3-cd]pyrene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Isophorone	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Naphthalene	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Nitrobenzene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
N-Nitrosodi-n-propylamine	0.10	U	0.33	0.10	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Pentachlorophenol	0.050	U	0.33	0.050	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Phenol	0.13	U	0.33	0.13	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Pyrene	0.12	U	0.33	0.12	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
Diphenylamine	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1
N-Nitrosodiphenylamine	0.11	U	0.33	0.11	mg/Kg		10/01/24 07:49	10/01/24 14:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	82		45 - 130	10/01/24 07:49	10/01/24 14:08	1
2-Fluorobiphenyl	74		55 - 130	10/01/24 07:49	10/01/24 14:08	1
p-Terphenyl-d14 (Surr)	101		41 - 174	10/01/24 07:49	10/01/24 14:08	1
Phenol-d5 (Surr)	61		31 - 132	10/01/24 07:49	10/01/24 14:08	1
2-Fluorophenol (Surr)	71		38 - 141	10/01/24 07:49	10/01/24 14:08	1
2,4,6-Tribromophenol (Surr)	84		30 - 140	10/01/24 07:49	10/01/24 14:08	1

**Lab Sample ID: LCS 670-113866/2-A**  
**Matrix: Solid**  
**Analysis Batch: 113859**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113866**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4,5-Trichlorophenol	2.67	1.94		mg/Kg		73	51 - 145
2,4,6-Trichlorophenol	2.67	1.99		mg/Kg		75	47 - 146
2,4-Dichlorophenol	2.67	1.80		mg/Kg		67	39 - 143
2,4-Dimethylphenol	2.67	2.20		mg/Kg		83	35 - 140
2,4-Dinitrophenol	2.67	2.11		mg/Kg		79	30 - 140
2,4-Dinitrotoluene	2.67	2.39		mg/Kg		90	57 - 148
2,6-Dinitrotoluene	2.67	2.29		mg/Kg		86	57 - 148
2-Chloronaphthalene	2.67	2.00		mg/Kg		75	41 - 144
2-Chlorophenol	2.67	1.80		mg/Kg		68	35 - 145
4,6-Dinitro-2-methylphenol	2.67	2.05		mg/Kg		77	44 - 168
2-Methylnaphthalene	2.67	1.77		mg/Kg		67	37 - 142
2-Methylphenol	2.67	1.95		mg/Kg		73	32 - 142
2-Nitrophenol	2.67	1.89		mg/Kg		71	42 - 116
3 & 4 Methylphenol	2.67	2.15		mg/Kg		81	40 - 122
3,3'-Dichlorobenzidine	2.67	1.87		mg/Kg		70	39 - 132
4-Bromophenyl phenyl ether	2.67	2.30		mg/Kg		86	56 - 147
4-Chloro-3-methylphenol	2.67	2.06		mg/Kg		77	43 - 146
4-Chlorophenyl phenyl ether	2.67	2.05		mg/Kg		77	54 - 149
4-Nitrophenol	2.67	2.74		mg/Kg		103	24 - 212

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

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

**Lab Sample ID: LCS 670-113866/2-A**  
**Matrix: Solid**  
**Analysis Batch: 113859**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113866**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	2.67	2.17		mg/Kg		81	52 - 131
Acenaphthylene	2.67	2.17		mg/Kg		81	49 - 146
Anthracene	2.67	2.43		mg/Kg		91	63 - 130
Benzo[a]anthracene	2.67	2.30		mg/Kg		86	55 - 152
Benzo[a]pyrene	2.67	2.41		mg/Kg		90	66 - 137
Benzo[b]fluoranthene	2.67	2.22		mg/Kg		83	62 - 137
Benzo[g,h,i]perylene	2.67	2.25		mg/Kg		84	43 - 152
Benzo[k]fluoranthene	2.67	2.49		mg/Kg		93	61 - 143
Bis(2-chloroethoxy)methane	2.67	2.09		mg/Kg		78	36 - 134
Bis(2-chloroethyl)ether	2.67	1.75		mg/Kg		66	29 - 147
bis (2-chloroisopropyl) ether	2.67	3.03		mg/Kg		114	15 - 159
Bis(2-ethylhexyl) phthalate	2.67	2.41		mg/Kg		90	55 - 160
Butyl benzyl phthalate	2.67	2.54		mg/Kg		95	46 - 168
Chrysene	2.67	2.20		mg/Kg		83	51 - 150
Dibenz(a,h)anthracene	2.67	2.34		mg/Kg		88	43 - 153
Diethyl phthalate	2.67	2.36		mg/Kg		88	59 - 152
Dimethyl phthalate	2.67	2.29		mg/Kg		86	57 - 137
Di-n-butyl phthalate	2.67	2.39		mg/Kg		90	62 - 150
Di-n-octyl phthalate	2.67	2.32		mg/Kg		87	54 - 181
Fluoranthene	2.67	2.26		mg/Kg		85	64 - 150
Fluorene	2.67	2.22		mg/Kg		83	60 - 150
Hexachlorobenzene	2.67	2.09		mg/Kg		78	54 - 134
Hexachlorobutadiene	2.67	1.71		mg/Kg		64	30 - 140
Hexachlorocyclopentadiene	2.67	2.19		mg/Kg		82	10 - 154
Hexachloroethane	2.67	1.90		mg/Kg		71	31 - 122
Indeno[1,2,3-cd]pyrene	2.67	2.71		mg/Kg		102	42 - 142
Isophorone	2.67	2.21		mg/Kg		83	29 - 142
Naphthalene	2.67	1.87		mg/Kg		70	39 - 145
Nitrobenzene	2.67	2.36		mg/Kg		89	36 - 137
N-Nitrosodi-n-propylamine	2.67	2.38		mg/Kg		89	43 - 150
Pentachlorophenol	2.67	2.04		mg/Kg		77	26 - 153
Phenol	2.67	2.07		mg/Kg		77	36 - 126
Pyrene	2.67	2.19		mg/Kg		82	61 - 157
Diphenylamine	2.67	2.31		mg/Kg		87	48 - 128
N-Nitrosodiphenylamine	2.67	2.31		mg/Kg		87	48 - 128

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	91		45 - 130
2-Fluorobiphenyl	81		55 - 130
p-Terphenyl-d14 (Surr)	91		41 - 174
Phenol-d5 (Surr)	82		31 - 132
2-Fluorophenol (Surr)	76		38 - 141
2,4,6-Tribromophenol (Surr)	88		30 - 140

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

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

**Lab Sample ID: MB 670-113560/1-A**  
**Matrix: Solid**  
**Analysis Batch: 113655**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113560**

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1-Methylnaphthalene	0.00075	U	0.0033	0.00075	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
2-Methylnaphthalene	0.0010	U	0.0033	0.0010	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Acenaphthene	0.00064	U	0.0033	0.00064	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Acenaphthylene	0.0013	U	0.0033	0.0013	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Anthracene	0.0011	U	0.0033	0.0011	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Benzo[a]anthracene	0.0061	U	0.0098	0.0061	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Benzo[a]pyrene	0.0012	U	0.0033	0.0012	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Benzo[b]fluoranthene	0.0038	U	0.0098	0.0038	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Benzo[g,h,i]perylene	0.0022	U	0.0033	0.0022	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Benzo[k]fluoranthene	0.0016	U	0.0033	0.0016	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Chrysene	0.0076	U	0.0098	0.0076	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Dibenz(a,h)anthracene	0.0022	U	0.0033	0.0022	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Fluoranthene	0.0016	U	0.0033	0.0016	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Fluorene	0.00068	U	0.0033	0.00068	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Indeno[1,2,3-cd]pyrene	0.0022	U	0.0033	0.0022	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Naphthalene	0.00086	U	0.0033	0.00086	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Phenanthrene	0.00078	U	0.0033	0.00078	mg/Kg		09/27/24 13:52	09/28/24 12:02	1
Pyrene	0.0040	U	0.0098	0.0040	mg/Kg		09/27/24 13:52	09/28/24 12:02	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-methylnaphthalene-d10	65		27 - 148	09/27/24 13:52	09/28/24 12:02	1
Fluoranthene-d10 (Surr)	76		37 - 150	09/27/24 13:52	09/28/24 12:02	1

**Lab Sample ID: LCS 670-113560/2-A**  
**Matrix: Solid**  
**Analysis Batch: 113655**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113560**

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
1-Methylnaphthalene	0.0131	0.00846		mg/Kg		65	32 - 146
2-Methylnaphthalene	0.0131	0.0109		mg/Kg		83	33 - 137
Acenaphthene	0.0131	0.0100		mg/Kg		76	43 - 138
Acenaphthylene	0.0131	0.00913		mg/Kg		70	38 - 138
Anthracene	0.0131	0.0106		mg/Kg		81	58 - 137
Benzo[a]anthracene	0.0131	0.0176		mg/Kg		134	62 - 135
Benzo[a]pyrene	0.0131	0.0147		mg/Kg		112	56 - 141
Benzo[b]fluoranthene	0.0131	0.0180		mg/Kg		138	61 - 138
Benzo[g,h,i]perylene	0.0131	0.0164		mg/Kg		125	58 - 132
Benzo[k]fluoranthene	0.0131	0.0154		mg/Kg		118	61 - 141
Chrysene	0.0131	0.0135		mg/Kg		103	62 - 132
Dibenz(a,h)anthracene	0.0131	0.0146		mg/Kg		111	60 - 138
Fluoranthene	0.0131	0.0130		mg/Kg		99	65 - 140
Fluorene	0.0131	0.0106		mg/Kg		81	46 - 131
Indeno[1,2,3-cd]pyrene	0.0131	0.0144		mg/Kg		110	61 - 136
Naphthalene	0.0131	0.00745		mg/Kg		57	37 - 140
Phenanthrene	0.0131	0.0123		mg/Kg		94	52 - 140
Pyrene	0.0131	0.0139		mg/Kg		106	63 - 138

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

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

**Lab Sample ID: LCS 670-113560/2-A**  
**Matrix: Solid**  
**Analysis Batch: 113655**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113560**

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-methylnaphthalene-d10	55		27 - 148
Fluoranthene-d10 (Surr)	67		37 - 150

## Method: FL-PRO - Florida - Petroleum Range Organics (GC)

**Lab Sample ID: MB 670-113947/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114101**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 113947**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Petroleum Hydrocarbons (C8-C40)	21	U	42	21	mg/Kg		10/01/24 11:57	10/02/24 09:40	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
o-terphenyl (Surr)	125		66 - 136	10/01/24 11:57	10/02/24 09:40	1
C35 (Surr)	132		36 - 132	10/01/24 11:57	10/02/24 09:40	1

**Lab Sample ID: LCS 670-113947/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114101**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 113947**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Total Petroleum Hydrocarbons (C8-C40)	113	107		mg/Kg		94	55 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
o-terphenyl (Surr)	122		66 - 136
C35 (Surr)	90		36 - 132

## Method: 6020B - Metals (ICP/MS)

**Lab Sample ID: MB 670-114164/3-A**  
**Matrix: Solid**  
**Analysis Batch: 114406**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114164**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.016	U	0.20	0.016	mg/Kg		10/02/24 10:51	10/02/24 14:01	1

**Lab Sample ID: LCS 670-114164/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114406**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114164**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Lead	10.0	9.90		mg/Kg		99	80 - 120

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## GC/MS VOA

### Prep Batch: 113498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	5035	

### Analysis Batch: 113693

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-2	Resinate Blank	Total/NA	Water	8260D	
670-48437-3	Field Blank	Total/NA	Water	8260D	
670-48437-4	Trip Blank	Total/NA	Water	8260D	
MB 670-113693/8	Method Blank	Total/NA	Water	8260D	
LCS 670-113693/5	Lab Control Sample	Total/NA	Water	8260D	

### Analysis Batch: 113884

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-2 - DL	Resinate Blank	Total/NA	Water	8260D	
670-48437-3 - DL	Field Blank	Total/NA	Water	8260D	
670-48437-4 - DL	Trip Blank	Total/NA	Water	8260D	
MB 670-113884/9	Method Blank	Total/NA	Water	8260D	
LCS 670-113884/6	Lab Control Sample	Total/NA	Water	8260D	

### Analysis Batch: 114586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	8260D	113498
MB 670-114586/8	Method Blank	Total/NA	Solid	8260D	
LCS 670-114586/4	Lab Control Sample	Total/NA	Solid	8260D	
LCS 670-114586/5	Lab Control Sample Dup	Total/NA	Solid	8260D	

## GC/MS Semi VOA

### Prep Batch: 113560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	3546	
MB 670-113560/1-A	Method Blank	Total/NA	Solid	3546	
LCS 670-113560/2-A	Lab Control Sample	Total/NA	Solid	3546	

### Analysis Batch: 113655

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	8270E SIM	113560
MB 670-113560/1-A	Method Blank	Total/NA	Solid	8270E SIM	113560
LCS 670-113560/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM	113560

### Analysis Batch: 113859

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	8270E	113866
MB 670-113866/1-A	Method Blank	Total/NA	Solid	8270E	113866
LCS 670-113866/2-A	Lab Control Sample	Total/NA	Solid	8270E	113866

### Prep Batch: 113866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	3546	
MB 670-113866/1-A	Method Blank	Total/NA	Solid	3546	
LCS 670-113866/2-A	Lab Control Sample	Total/NA	Solid	3546	

Eurofins Orlando

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## GC Semi VOA

### Prep Batch: 113947

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	3546	
MB 670-113947/1-A	Method Blank	Total/NA	Solid	3546	
LCS 670-113947/2-A	Lab Control Sample	Total/NA	Solid	3546	

### Analysis Batch: 114101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	FL-PRO	113947
MB 670-113947/1-A	Method Blank	Total/NA	Solid	FL-PRO	113947
LCS 670-113947/2-A	Lab Control Sample	Total/NA	Solid	FL-PRO	113947

## Metals

### Prep Batch: 114164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	3051A	
MB 670-114164/3-A	Method Blank	Total/NA	Solid	3051A	
LCS 670-114164/1-A	Lab Control Sample	Total/NA	Solid	3051A	

### Analysis Batch: 114406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	6020B	114164
MB 670-114164/3-A	Method Blank	Total/NA	Solid	6020B	114164
LCS 670-114164/1-A	Lab Control Sample	Total/NA	Solid	6020B	114164

## General Chemistry

### Analysis Batch: 114463

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48437-1	SB-4 (10-12')	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

**Client Sample ID: SB-4 (10-12')**  
**Date Collected: 09/24/24 11:15**  
**Date Received: 09/26/24 11:10**

**Lab Sample ID: 670-48437-1**  
**Matrix: Solid**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	114463	RB	EET ORL	10/03/24 09:56

**Client Sample ID: SB-4 (10-12')**  
**Date Collected: 09/24/24 11:15**  
**Date Received: 09/26/24 11:10**

**Lab Sample ID: 670-48437-1**  
**Matrix: Solid**  
**Percent Solids: 82.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			113498	LT	EET ORL	09/27/24 16:44
Total/NA	Analysis	8260D		1	114586	RG	EET ORL	10/04/24 17:07
Total/NA	Prep	3546			113866	YM	EET ORL	10/01/24 07:49
Total/NA	Analysis	8270E		1	113859	SI	EET ORL	10/01/24 21:37
Total/NA	Prep	3546			113560	FC	EET ORL	09/27/24 13:52
Total/NA	Analysis	8270E SIM		1	113655	JI	EET ORL	09/28/24 19:02
Total/NA	Prep	3546			113947	MA	EET ORL	10/01/24 11:57
Total/NA	Analysis	FL-PRO		1	114101	JR	EET ORL	10/02/24 16:28
Total/NA	Prep	3051A			114164	JR	EET ORL	10/02/24 10:51
Total/NA	Analysis	6020B		5	114406	JA	EET ORL	10/02/24 14:50

**Client Sample ID: Resinate Blank**  
**Date Collected: 09/24/24 12:00**  
**Date Received: 09/26/24 11:10**

**Lab Sample ID: 670-48437-2**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	113693	AAM	EET ORL	09/30/24 15:56
Total/NA	Analysis	8260D	DL	5	113884	AAM	EET ORL	10/01/24 18:33

**Client Sample ID: Field Blank**  
**Date Collected: 09/24/24 12:35**  
**Date Received: 09/26/24 11:10**

**Lab Sample ID: 670-48437-3**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	113693	AAM	EET ORL	09/30/24 15:38
Total/NA	Analysis	8260D	DL	5	113884	AAM	EET ORL	10/01/24 18:54

**Client Sample ID: Trip Blank**  
**Date Collected: 09/24/24 00:00**  
**Date Received: 09/26/24 11:10**

**Lab Sample ID: 670-48437-4**  
**Matrix: Water**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	113693	AAM	EET ORL	09/30/24 16:14
Total/NA	Analysis	8260D	DL	10	113884	AAM	EET ORL	10/01/24 19:15

**Laboratory References:**  
EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

# Accreditation/Certification Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

## Laboratory: Eurofins Orlando

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	Diphenylamine
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



# Method Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ORL
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET ORL
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET ORL
FL-PRO	Florida - Petroleum Range Organics (GC)	FL-DEP	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
Moisture	Percent Moisture	EPA	EET ORL
3051A	Preparation, Metals, Microwave Assisted	SW846	EET ORL
3546	Microwave Extraction	SW846	EET ORL
5030C	Purge and Trap	SW846	EET ORL
5035	Closed System Purge and Trap	SW846	EET ORL

#### Protocol References:

EPA = US Environmental Protection Agency

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

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

#### Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

# Sample Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48437-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
670-48437-1	SB-4 (10-12')	Solid	09/24/24 11:15	09/26/24 11:10
670-48437-2	Resinate Blank	Water	09/24/24 12:00	09/26/24 11:10
670-48437-3	Field Blank	Water	09/24/24 12:35	09/26/24 11:10
670-48437-4	Trip Blank	Water	09/24/24 00:00	09/26/24 11:10

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15



# Login Sample Receipt Checklist

Client: PPM Consultants, Inc.

Job Number: 670-48437-1

**Login Number: 48437**

**List Source: Eurofins Orlando**

**List Number: 1**

**Creator: Lavardera, Angelina**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeff Ferretti  
PPM Consultants, Inc.  
750 South Northlake Boulevard  
Suite 1012  
Altamonte Springs, Florida 32701

Generated 10/16/2024 2:34:02 PM

## JOB DESCRIPTION

Lake Butler Vacant Parcel

## JOB NUMBER

670-48952-1

# Eurofins Orlando

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Generated  
10/16/2024 2:34:02 PM

Authorized for release by  
Luis Betancourt, Project Manager I  
[Luis.Betancourt@et.eurofinsus.com](mailto:Luis.Betancourt@et.eurofinsus.com)  
(321)282-6293



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	6
Detection Summary . . . . .	8
Client Sample Results . . . . .	10
Surrogate Summary . . . . .	26
QC Sample Results . . . . .	28
QC Association Summary . . . . .	48
Lab Chronicle . . . . .	51
Certification Summary . . . . .	54
Method Summary . . . . .	55
Sample Summary . . . . .	56
Chain of Custody . . . . .	57
Receipt Checklists . . . . .	58

# Definitions/Glossary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

### GC/MS Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

### GC Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

### Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)

# Definitions/Glossary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Case Narrative

Client: PPM Consultants, Inc.  
Project: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Job ID: 670-48952-1**

**Eurofins Orlando**

## Job Narrative 670-48952-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 10/3/2024 12:01 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.7°C.

### GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-114934 recovered outside acceptance criteria, low biased, for Carbon disulfide and Dichlorodifluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-115176 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: Rinsate Blank (670-48952-5) and Field Blank (670-48952-6). Elevated reporting limits (RLs) are provided.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 670-115943 recovered outside control limits for the following analytes: 1,1,1,2-Tetrachloroethane, 1,1,1-Trichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloropropane, 2,2-Dichloropropane, 2-Chlorotoluene, Benzene, Carbon tetrachloride, Chlorobenzene, cis-1,2-Dichloroethene, Dichlorobromomethane, Isopropylbenzene, m-Xylene & p-Xylene, tert-Butylbenzene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene and Trichloroethene.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-115943 recovered above the upper control limit for Carbon disulfide and Tetrachloroethene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-115943/4).

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-115943 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane, Chloromethane and Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

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

### GC/MS Semi VOA

Method 8270E: The laboratory control sample (LCS) for preparation batch 670-115402 and analytical batch 670-115795 recovered outside control limits for the following analytes: bis (2-chloroisopropyl) ether. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270E: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 670-115402 and analytical batch 670-115795 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8270E: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 670-115402 and analytical batch 670-115795 was outside control limits. Sample non-homogeneity is suspected.

Eurofins Orlando

# Case Narrative

Client: PPM Consultants, Inc.  
Project: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Job ID: 670-48952-1 (Continued)

Eurofins Orlando

Method 8270E: The surrogate recovery for the LCS associated with preparation batch 670-115402 and analytical batch 670-115795 was outside the upper control limits.

Method 8270E: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) sample: (670-48952-A-1-D MS). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported

Method 8270E: The method blank for preparation batch 670-115402 and analytical batch 670-115795 contained above the method detection limit (MDL). Associated samples were not re-analyzed because the method blank results were less than the reporting limit (RL) OR practical quantitation limit (PQL).

Method 8270E\_SIM: The following sample was diluted to bring the concentration of target analytes within the calibration range: SB-2 (4-6') (670-48952-2). Elevated reporting limits (RLs) are provided.

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

### GC Semi VOA

Method FL\_PRO: The following sample was diluted due to color, appearance, viscosity SB-2 (4-6') (670-48952-2). Elevated reporting limits (RL) are provided.

Method FL\_PRO: Surrogate recovery for the following samples were outside the upper control limit: SB-1 (10-12') (670-48952-1) and SB-2 (4-6') (670-48952-2). This sample did not contain any target analytes above the SCTL; therefore, re-extraction and/or re-analysis was not performed.

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

### Metals

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

### General Chemistry

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

Eurofins Orlando

## Detection Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

### Client Sample ID: SB-1 (10-12')

Lab Sample ID: 670-48952-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.12	I J3 V	0.37	0.086	mg/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	0.11	I J3	0.37	0.11	mg/Kg	1	✳	8270E	Total/NA
Total Petroleum Hydrocarbons (C8-C40)	41	I	48	24	mg/Kg	1	✳	FL-PRO	Total/NA
Lead	5.6		1.1	0.089	mg/Kg	5	✳	6020B	Total/NA

### Client Sample ID: SB-2 (4-6')

Lab Sample ID: 670-48952-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.0058	I J3	0.0084	0.00038	mg/Kg	1	✳	8260D	Total/NA
1-Methylnaphthalene	0.0094		0.0041	0.00094	mg/Kg	1	✳	8270E SIM	Total/NA
2-Methylnaphthalene	0.011		0.0041	0.0013	mg/Kg	1	✳	8270E SIM	Total/NA
Acenaphthene	0.0082		0.0041	0.00079	mg/Kg	1	✳	8270E SIM	Total/NA
Acenaphthylene	0.50		0.0041	0.0016	mg/Kg	1	✳	8270E SIM	Total/NA
Anthracene	0.34		0.0041	0.0014	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[a]anthracene	1.1		0.012	0.0076	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[a]pyrene	1.2		0.0041	0.0015	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[g,h,i]perylene	1.1		0.0041	0.0027	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[k]fluoranthene	0.93		0.0041	0.0020	mg/Kg	1	✳	8270E SIM	Total/NA
Dibenz(a,h)anthracene	0.33		0.0041	0.0027	mg/Kg	1	✳	8270E SIM	Total/NA
Fluorene	0.030		0.0041	0.00084	mg/Kg	1	✳	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.98		0.0041	0.0028	mg/Kg	1	✳	8270E SIM	Total/NA
Naphthalene	0.013		0.0041	0.0011	mg/Kg	1	✳	8270E SIM	Total/NA
Phenanthrene	0.079		0.0041	0.00097	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[b]fluoranthene - DL	4.5		0.12	0.048	mg/Kg	10	✳	8270E SIM	Total/NA
Chrysene - DL	1.5		0.12	0.094	mg/Kg	10	✳	8270E SIM	Total/NA
Fluoranthene - DL	1.2		0.041	0.020	mg/Kg	10	✳	8270E SIM	Total/NA
Pyrene - DL	2.1		0.12	0.050	mg/Kg	10	✳	8270E SIM	Total/NA
Acenaphthylene	0.38	I	0.40	0.15	mg/Kg	1	✳	8270E	Total/NA
Anthracene	0.25	I	0.40	0.14	mg/Kg	1	✳	8270E	Total/NA
Benzo[a]anthracene	0.71		0.40	0.15	mg/Kg	1	✳	8270E	Total/NA
Benzo[a]pyrene	1.4		0.40	0.092	mg/Kg	1	✳	8270E	Total/NA
Benzo[b]fluoranthene	2.6		0.40	0.12	mg/Kg	1	✳	8270E	Total/NA
Benzo[g,h,i]perylene	1.2		0.40	0.14	mg/Kg	1	✳	8270E	Total/NA
Benzo[k]fluoranthene	0.89		0.40	0.15	mg/Kg	1	✳	8270E	Total/NA
Bis(2-chloroethyl)ether	0.21	I	0.40	0.14	mg/Kg	1	✳	8270E	Total/NA
Chrysene	0.93		0.40	0.16	mg/Kg	1	✳	8270E	Total/NA
Dibenz(a,h)anthracene	0.42		0.40	0.14	mg/Kg	1	✳	8270E	Total/NA
Fluoranthene	0.56		0.40	0.15	mg/Kg	1	✳	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.2		0.40	0.14	mg/Kg	1	✳	8270E	Total/NA
Pyrene	1.2		0.40	0.15	mg/Kg	1	✳	8270E	Total/NA
Total Petroleum Hydrocarbons (C8-C40)	240		100	52	mg/Kg	2	✳	FL-PRO	Total/NA
Lead	43		1.2	0.095	mg/Kg	5	✳	6020B	Total/NA

### Client Sample ID: SB-3 (4-6')

Lab Sample ID: 670-48952-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.0063		0.0040	0.0015	mg/Kg	1	✳	8270E SIM	Total/NA
Anthracene	0.0018	I	0.0040	0.0014	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[a]pyrene	0.0067		0.0040	0.0015	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[b]fluoranthene	0.014		0.012	0.0047	mg/Kg	1	✳	8270E SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

# Detection Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Client Sample ID: SB-3 (4-6') (Continued)

Lab Sample ID: 670-48952-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	0.0045		0.0040	0.0027	mg/Kg	1	✳	8270E SIM	Total/NA
Fluoranthene	0.0087		0.0040	0.0020	mg/Kg	1	✳	8270E SIM	Total/NA
Fluorene	0.0015	I	0.0040	0.00083	mg/Kg	1	✳	8270E SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.0033	I	0.0040	0.0028	mg/Kg	1	✳	8270E SIM	Total/NA
Naphthalene	0.0011	I	0.0040	0.0011	mg/Kg	1	✳	8270E SIM	Total/NA
Phenanthrene	0.0029	I	0.0040	0.00096	mg/Kg	1	✳	8270E SIM	Total/NA
Pyrene	0.0079	I	0.012	0.0049	mg/Kg	1	✳	8270E SIM	Total/NA
Benzo[a]pyrene	0.096	I V	0.40	0.092	mg/Kg	1	✳	8270E	Total/NA
Total Petroleum Hydrocarbons (C8-C40)	26	I	52	26	mg/Kg	1	✳	FL-PRO	Total/NA
Lead	9.2		1.2	0.095	mg/Kg	5	✳	6020B	Total/NA

## Client Sample ID: IDW

Lab Sample ID: 670-48952-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.0	I	1.2	0.36	mg/Kg	1	✳	6010D	Total/NA
Chromium	5.3		0.58	0.38	mg/Kg	1	✳	6010D	Total/NA
Lead	9.0		2.3	0.42	mg/Kg	1	✳	6010D	Total/NA

## Client Sample ID: Rinsate Blank

Lab Sample ID: 670-48952-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform - DL	270		25	4.0	ug/L	5		8260D	Total/NA

## Client Sample ID: Field Blank

Lab Sample ID: 670-48952-6

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform - DL	260		25	4.0	ug/L	5		8260D	Total/NA

## Client Sample ID: Trip Blank

Lab Sample ID: 670-48952-7

No Detections.

This Detection Summary does not include radiochemical test results.

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-1 (10-12')**

**Lab Sample ID: 670-48952-1**

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 87.9

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.00055	U J3	0.0093	0.00055	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,1,1-Trichloroethane	0.00039	U J3	0.0093	0.00039	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,1,2,2-Tetrachloroethane	0.00047	U	0.0093	0.00047	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,1,2-Trichloroethane	0.00054	U	0.0093	0.00054	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,1-Dichloroethane	0.00039	U	0.0093	0.00039	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,1-Dichloroethene	0.00048	U J3	0.0093	0.00048	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,1-Dichloropropene	0.00042	U	0.0093	0.00042	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,2,3-Trichloropropane	0.00086	U	0.023	0.00086	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,2,4-Trimethylbenzene	0.00053	U	0.023	0.00053	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Ethylene Dibromide	0.00052	U	0.0093	0.00052	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,2-Dichloroethane	0.00041	U J3	0.047	0.00041	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,2-Dichloropropane	0.00046	U J3	0.0093	0.00046	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,3,5-Trimethylbenzene	0.012	U	0.023	0.012	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,3-Dichloropropane	0.00039	U	0.0093	0.00039	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,3-Dichlorobenzene	0.00047	U	0.023	0.00047	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
1,4-Dichlorobenzene	0.00040	U	0.0093	0.00040	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
2,2-Dichloropropane	0.00039	U J3	0.023	0.00039	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
2-Butanone (MEK)	0.019	U	0.078	0.019	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
2-Chlorotoluene	0.00037	U J3	0.0093	0.00037	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
2-Hexanone	0.019	U	0.078	0.019	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
4-Chlorotoluene	0.00047	U	0.0093	0.00047	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
4-Methyl-2-pentanone (MIBK)	0.019	U	0.078	0.019	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Acetone	0.019	U	0.078	0.019	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Benzene	0.00039	U J3	0.0093	0.00039	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Bromobenzene	0.00056	U	0.0093	0.00056	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Chlorobromomethane	0.00067	U	0.0093	0.00067	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Dichlorobromomethane	0.00049	U J3	0.0093	0.00049	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Bromoform	0.00061	U	0.0093	0.00061	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Bromomethane	0.00039	U	0.0093	0.00039	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Carbon disulfide	0.0019	U	0.0093	0.0019	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Carbon tetrachloride	0.00047	U J3	0.0093	0.00047	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Chlorobenzene	0.00041	U J3	0.0093	0.00041	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Chloroethane	0.00052	U	0.0093	0.00052	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Chloroform	0.00047	U	0.0093	0.00047	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Chloromethane	0.00051	U J3	0.0093	0.00051	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
cis-1,2-Dichloroethene	0.00050	U J3	0.0093	0.00050	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
cis-1,3-Dichloropropene	0.00039	U	0.0093	0.00039	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Chlorodibromomethane	0.00056	U	0.0093	0.00056	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Dibromomethane	0.00067	U	0.0093	0.00067	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Dichlorodifluoromethane	0.00048	U	0.0093	0.00048	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Ethylbenzene	0.00045	U	0.0093	0.00045	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Isopropylbenzene	0.00042	U J3	0.0093	0.00042	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
m-Xylene & p-Xylene	0.00086	U J3	0.016	0.00086	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Methylene Chloride	0.016	U	0.055	0.016	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
Methyl tert-butyl ether	0.00049	U	0.0093	0.00049	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
n-Butylbenzene	0.00070	U	0.0093	0.00070	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
N-Propylbenzene	0.00049	U	0.0093	0.00049	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
o-Xylene	0.00044	U	0.016	0.00044	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1
sec-Butylbenzene	0.00051	U	0.0093	0.00051	mg/Kg	✳	10/07/24 16:28	10/15/24 01:57	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-1 (10-12')**

**Lab Sample ID: 670-48952-1**

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 87.9

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.00039	U	0.0093	0.00039	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
tert-Butylbenzene	0.00055	U J3	0.0093	0.00055	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
Tetrachloroethene	0.00052	U J3	0.0093	0.00052	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
Toluene	0.0023	U J3	0.0093	0.0023	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
trans-1,2-Dichloroethene	0.00054	U J3	0.0093	0.00054	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
trans-1,3-Dichloropropene	0.00039	U J3	0.0093	0.00039	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
Trichloroethene	0.00047	U J3	0.0093	0.00047	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
Trichlorofluoromethane	0.00042	U	0.0093	0.00042	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
Vinyl chloride	0.00034	U	0.0093	0.00034	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1
Xylenes, Total	0.00086	U	0.016	0.00086	mg/Kg	☼	10/07/24 16:28	10/15/24 01:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	100		50 - 150	10/07/24 16:28	10/15/24 01:57	1
4-Bromofluorobenzene (Surr)	96		50 - 150	10/07/24 16:28	10/15/24 01:57	1
Dibromofluoromethane (Surr)	115		50 - 150	10/07/24 16:28	10/15/24 01:57	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.00087	U	0.0038	0.00087	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
2-Methylnaphthalene	0.0012	U	0.0038	0.0012	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Acenaphthene	0.00074	U	0.0038	0.00074	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Acenaphthylene	0.0015	U	0.0038	0.0015	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Anthracene	0.0013	U	0.0038	0.0013	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Benzo[a]anthracene	0.0071	U	0.011	0.0071	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Benzo[a]pyrene	0.0014	U	0.0038	0.0014	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Benzo[b]fluoranthene	0.0045	U	0.011	0.0045	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Benzo[g,h,i]perylene	0.0026	U	0.0038	0.0026	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Benzo[k]fluoranthene	0.0019	U	0.0038	0.0019	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Chrysene	0.0088	U	0.011	0.0088	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Dibenz(a,h)anthracene	0.0026	U	0.0038	0.0026	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Fluoranthene	0.0019	U	0.0038	0.0019	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Fluorene	0.00078	U	0.0038	0.00078	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Indeno[1,2,3-cd]pyrene	0.0026	U	0.0038	0.0026	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Naphthalene	0.0010	U	0.0038	0.0010	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Phenanthrene	0.00091	U	0.0038	0.00091	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1
Pyrene	0.0046	U	0.011	0.0046	mg/Kg	☼	10/07/24 08:38	10/07/24 18:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	66		27 - 148	10/07/24 08:38	10/07/24 18:09	1
Fluoranthene-d10 (Surr)	110		37 - 150	10/07/24 08:38	10/07/24 18:09	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.11	U J3	0.37	0.11	mg/Kg	☼	10/09/24 05:49	10/14/24 11:24	1
2,4,6-Trichlorophenol	0.092	U J3	0.37	0.092	mg/Kg	☼	10/09/24 05:49	10/14/24 11:24	1
2,4-Dichlorophenol	0.12	U J3	0.37	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 11:24	1
2,4-Dimethylphenol	0.12	U J3	0.37	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 11:24	1
2,4-Dinitrophenol	0.039	U J3	0.37	0.039	mg/Kg	☼	10/09/24 05:49	10/14/24 11:24	1
2,4-Dinitrotoluene	0.11	U J3	0.37	0.11	mg/Kg	☼	10/09/24 05:49	10/14/24 11:24	1
2,6-Dinitrotoluene	0.12	U J3	0.37	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 11:24	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-1 (10-12')**

**Lab Sample ID: 670-48952-1**

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 87.9

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
2-Chlorophenol	0.14	U J3	0.37	0.14	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
4,6-Dinitro-2-methylphenol	0.074	U J3	0.37	0.074	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
2-Methylnaphthalene	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
2-Methylphenol	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
2-Nitrophenol	0.11	U J3	0.37	0.11	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
3 & 4 Methylphenol	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
3,3'-Dichlorobenzidine	0.25	U J3	0.37	0.25	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
4-Bromophenyl phenyl ether	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
4-Chloro-3-methylphenol	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
4-Chlorophenyl phenyl ether	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
4-Nitrophenol	0.094	U J3	0.37	0.094	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Acenaphthene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Acenaphthylene	0.14	U J3	0.37	0.14	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Anthracene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Benzo[a]anthracene	0.14	U J3	0.37	0.14	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
<b>Benzo[a]pyrene</b>	<b>0.12</b>	<b>I J3 V</b>	0.37	0.086	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
<b>Benzo[b]fluoranthene</b>	<b>0.11</b>	<b>I J3</b>	0.37	0.11	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Benzo[g,h,i]perylene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Benzo[k]fluoranthene	0.14	U J3	0.37	0.14	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Bis(2-chloroethoxy)methane	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Bis(2-chloroethyl)ether	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
bis(2-chloroisopropyl) ether	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Bis(2-ethylhexyl) phthalate	0.083	U J3	0.37	0.083	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Butyl benzyl phthalate	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Chrysene	0.15	U J3	0.37	0.15	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Dibenz(a,h)anthracene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Diethyl phthalate	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Dimethyl phthalate	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Di-n-butyl phthalate	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Di-n-octyl phthalate	0.11	U J3	0.37	0.11	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Fluoranthene	0.14	U J3	0.37	0.14	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Fluorene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Hexachlorobenzene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Hexachlorobutadiene	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Hexachlorocyclopentadiene	0.10	U J3	0.37	0.10	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Hexachloroethane	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Indeno[1,2,3-cd]pyrene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Isophorone	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Naphthalene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Nitrobenzene	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
N-Nitrosodi-n-propylamine	0.12	U J3	0.37	0.12	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Pentachlorophenol	0.057	U J3	0.37	0.057	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Phenol	0.14	U J3	0.37	0.14	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Pyrene	0.14	U J3	0.37	0.14	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
Diphenylamine	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
N-Nitrosodiphenylamine	0.13	U J3	0.37	0.13	mg/Kg	✱	10/09/24 05:49	10/14/24 11:24	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Nitrobenzene-d5 (Surr)	106		45 - 130				10/09/24 05:49	10/14/24 11:24	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-1 (10-12')**

**Lab Sample ID: 670-48952-1**

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 87.9

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	89		55 - 130	10/09/24 05:49	10/14/24 11:24	1
p-Terphenyl-d14 (Surr)	89		41 - 174	10/09/24 05:49	10/14/24 11:24	1
Phenol-d5 (Surr)	96		31 - 132	10/09/24 05:49	10/14/24 11:24	1
2-Fluorophenol (Surr)	90		38 - 141	10/09/24 05:49	10/14/24 11:24	1
2,4,6-Tribromophenol (Surr)	103		30 - 140	10/09/24 05:49	10/14/24 11:24	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Petroleum Hydrocarbons (C8-C40)</b>	<b>41</b>	<b>I</b>	48	24	mg/Kg	✱	10/07/24 15:05	10/08/24 08:30	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-terphenyl (Surr)	138	J1	66 - 136	10/07/24 15:05	10/08/24 08:30	1			
C35 (Surr)	154	J1	36 - 132	10/07/24 15:05	10/08/24 08:30	1			

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>5.6</b>		1.1	0.089	mg/Kg	✱	10/07/24 12:32	10/07/24 19:32	5

**Client Sample ID: SB-2 (4-6')**

**Lab Sample ID: 670-48952-2**

Date Collected: 10/02/24 15:45

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.0

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.00049	U J3	0.0084	0.00049	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,1,1-Trichloroethane	0.00035	U J3	0.0084	0.00035	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,1,2,2-Tetrachloroethane	0.00042	U	0.0084	0.00042	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,1,2-Trichloroethane	0.00048	U	0.0084	0.00048	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,1-Dichloroethane	0.00035	U	0.0084	0.00035	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,1-Dichloroethene	0.00043	U J3	0.0084	0.00043	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,1-Dichloropropene	0.00038	U	0.0084	0.00038	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,2,3-Trichloropropane	0.00077	U	0.021	0.00077	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,2,4-Trimethylbenzene	0.00047	U	0.021	0.00047	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
Ethylene Dibromide	0.00047	U	0.0084	0.00047	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,2-Dichloroethane	0.00037	U J3	0.042	0.00037	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,2-Dichloropropane	0.00041	U J3	0.0084	0.00041	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,3,5-Trimethylbenzene	0.010	U	0.021	0.010	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,3-Dichloropropane	0.00035	U	0.0084	0.00035	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,3-Dichlorobenzene	0.00042	U	0.021	0.00042	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
1,4-Dichlorobenzene	0.00035	U	0.0084	0.00035	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
2,2-Dichloropropane	0.00035	U J3	0.021	0.00035	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
2-Butanone (MEK)	0.017	U	0.070	0.017	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
2-Chlorotoluene	0.00033	U J3	0.0084	0.00033	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
2-Hexanone	0.017	U	0.070	0.017	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
4-Chlorotoluene	0.00042	U	0.0084	0.00042	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
4-Methyl-2-pentanone (MIBK)	0.017	U	0.070	0.017	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
Acetone	0.017	U	0.070	0.017	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
Benzene	0.00035	U J3	0.0084	0.00035	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1
Bromobenzene	0.00050	U	0.0084	0.00050	mg/Kg	✱	10/07/24 16:28	10/15/24 02:19	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-2 (4-6')**

**Lab Sample ID: 670-48952-2**

Date Collected: 10/02/24 15:45

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.0

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00060	U	0.0084	0.00060	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Dichlorobromomethane	0.00044	U J3	0.0084	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Bromoform	0.00054	U	0.0084	0.00054	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Bromomethane	0.00035	U	0.0084	0.00035	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Carbon disulfide	0.0017	U	0.0084	0.0017	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Carbon tetrachloride	0.00042	U J3	0.0084	0.00042	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Chlorobenzene	0.00037	U J3	0.0084	0.00037	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Chloroethane	0.00047	U	0.0084	0.00047	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Chloroform	0.00042	U	0.0084	0.00042	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Chloromethane	0.00045	U J3	0.0084	0.00045	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
cis-1,2-Dichloroethene	0.00045	U J3	0.0084	0.00045	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
cis-1,3-Dichloropropene	0.00035	U	0.0084	0.00035	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Chlorodibromomethane	0.00050	U	0.0084	0.00050	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Dibromomethane	0.00060	U	0.0084	0.00060	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Dichlorodifluoromethane	0.00043	U	0.0084	0.00043	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Ethylbenzene	0.00040	U	0.0084	0.00040	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
<b>Isopropylbenzene</b>	<b>0.0058</b>	<b>I J3</b>	0.0084	0.00038	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
m-Xylene & p-Xylene	0.00077	U J3	0.014	0.00077	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Methylene Chloride	0.014	U	0.049	0.014	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Methyl tert-butyl ether	0.00044	U	0.0084	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
n-Butylbenzene	0.00063	U	0.0084	0.00063	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
N-Propylbenzene	0.00044	U	0.0084	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
o-Xylene	0.00039	U	0.014	0.00039	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
sec-Butylbenzene	0.00045	U	0.0084	0.00045	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Styrene	0.00035	U	0.0084	0.00035	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
tert-Butylbenzene	0.00049	U J3	0.0084	0.00049	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Tetrachloroethene	0.00047	U J3	0.0084	0.00047	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Toluene	0.0021	U J3	0.0084	0.0021	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
trans-1,2-Dichloroethene	0.00048	U J3	0.0084	0.00048	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
trans-1,3-Dichloropropene	0.00035	U J3	0.0084	0.00035	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Trichloroethene	0.00042	U J3	0.0084	0.00042	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Trichlorofluoromethane	0.00038	U	0.0084	0.00038	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Vinyl chloride	0.00031	U	0.0084	0.00031	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1
Xylenes, Total	0.00077	U	0.014	0.00077	mg/Kg	☼	10/07/24 16:28	10/15/24 02:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		50 - 150	10/07/24 16:28	10/15/24 02:19	1
4-Bromofluorobenzene (Surr)	105		50 - 150	10/07/24 16:28	10/15/24 02:19	1
Dibromofluoromethane (Surr)	116		50 - 150	10/07/24 16:28	10/15/24 02:19	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>1-Methylnaphthalene</b>	<b>0.0094</b>		0.0041	0.00094	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>2-Methylnaphthalene</b>	<b>0.011</b>		0.0041	0.0013	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>Acenaphthene</b>	<b>0.0082</b>		0.0041	0.00079	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>Acenaphthylene</b>	<b>0.50</b>		0.0041	0.0016	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>Anthracene</b>	<b>0.34</b>		0.0041	0.0014	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>Benzo[a]anthracene</b>	<b>1.1</b>		0.012	0.0076	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>Benzo[a]pyrene</b>	<b>1.2</b>		0.0041	0.0015	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>Benzo[g,h,i]perylene</b>	<b>1.1</b>		0.0041	0.0027	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-2 (4-6')**

**Lab Sample ID: 670-48952-2**

Date Collected: 10/02/24 15:45

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.0

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	0.93		0.0041	0.0020	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
Dibenz(a,h)anthracene	0.33		0.0041	0.0027	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
Fluorene	0.030		0.0041	0.00084	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
Indeno[1,2,3-cd]pyrene	0.98		0.0041	0.0028	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
Naphthalene	0.013		0.0041	0.0011	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
Phenanthrene	0.079		0.0041	0.00097	mg/Kg	☼	10/07/24 08:38	10/07/24 18:34	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-methylnaphthalene-d10	79		27 - 148				10/07/24 08:38	10/07/24 18:34	1
Fluoranthene-d10 (Surr)	114		37 - 150				10/07/24 08:38	10/07/24 18:34	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	4.5		0.12	0.048	mg/Kg	☼	10/07/24 08:38	10/11/24 11:47	10
Chrysene	1.5		0.12	0.094	mg/Kg	☼	10/07/24 08:38	10/11/24 11:47	10
Fluoranthene	1.2		0.041	0.020	mg/Kg	☼	10/07/24 08:38	10/11/24 11:47	10
Pyrene	2.1		0.12	0.050	mg/Kg	☼	10/07/24 08:38	10/11/24 11:47	10
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
2-methylnaphthalene-d10	60		27 - 148				10/07/24 08:38	10/11/24 11:47	10
Fluoranthene-d10 (Surr)	45		37 - 150				10/07/24 08:38	10/11/24 11:47	10

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.12	U	0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2,4,6-Trichlorophenol	0.099	U	0.40	0.099	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2,4-Dichlorophenol	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2,4-Dimethylphenol	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2,4-Dinitrophenol	0.041	U	0.40	0.041	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2,4-Dinitrotoluene	0.12	U	0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2,6-Dinitrotoluene	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2-Chloronaphthalene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2-Chlorophenol	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
4,6-Dinitro-2-methylphenol	0.079	U	0.40	0.079	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2-Methylnaphthalene	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2-Methylphenol	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
2-Nitrophenol	0.12	U	0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
3 & 4 Methylphenol	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
3,3'-Dichlorobenzidine	0.27	U	0.40	0.27	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
4-Bromophenyl phenyl ether	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
4-Chloro-3-methylphenol	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
4-Chlorophenyl phenyl ether	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
4-Nitrophenol	0.10	U	0.40	0.10	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Acenaphthene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Acenaphthylene	0.38	I	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Anthracene	0.25	I	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Benzo[a]anthracene	0.71		0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Benzo[a]pyrene	1.4		0.40	0.092	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Benzo[b]fluoranthene	2.6		0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Benzo[g,h,i]perylene	1.2		0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-2 (4-6')**

**Lab Sample ID: 670-48952-2**

Date Collected: 10/02/24 15:45

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.0

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Benzo[k]fluoranthene</b>	<b>0.89</b>		0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Bis(2-chloroethoxy)methane	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
<b>Bis(2-chloroethyl)ether</b>	<b>0.21</b>	I	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
bis (2-chloroisopropyl) ether	0.14	U J3	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Bis(2-ethylhexyl) phthalate	0.089	U	0.40	0.089	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Butyl benzyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
<b>Chrysene</b>	<b>0.93</b>		0.40	0.16	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
<b>Dibenz(a,h)anthracene</b>	<b>0.42</b>		0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Diethyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Dimethyl phthalate	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Di-n-butyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Di-n-octyl phthalate	0.11	U	0.40	0.11	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
<b>Fluoranthene</b>	<b>0.56</b>		0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Fluorene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Hexachlorobenzene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Hexachlorobutadiene	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Hexachlorocyclopentadiene	0.11	U	0.40	0.11	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Hexachloroethane	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>1.2</b>		0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Isophorone	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Naphthalene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Nitrobenzene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
N-Nitrosodi-n-propylamine	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Pentachlorophenol	0.061	U	0.40	0.061	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Phenol	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
<b>Pyrene</b>	<b>1.2</b>		0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
Diphenylamine	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1
N-Nitrosodiphenylamine	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 11:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	118		45 - 130	10/09/24 05:49	10/14/24 11:47	1
2-Fluorobiphenyl	97		55 - 130	10/09/24 05:49	10/14/24 11:47	1
p-Terphenyl-d14 (Surr)	89		41 - 174	10/09/24 05:49	10/14/24 11:47	1
Phenol-d5 (Surr)	106		31 - 132	10/09/24 05:49	10/14/24 11:47	1
2-Fluorophenol (Surr)	105		38 - 141	10/09/24 05:49	10/14/24 11:47	1
2,4,6-Tribromophenol (Surr)	109		30 - 140	10/09/24 05:49	10/14/24 11:47	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Petroleum Hydrocarbons (C8-C40)</b>	<b>240</b>		100	52	mg/Kg	☼	10/07/24 15:05	10/08/24 08:12	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	127		66 - 136	10/07/24 15:05	10/08/24 08:12	2
C35 (Surr)	154	J1	36 - 132	10/07/24 15:05	10/08/24 08:12	2

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>43</b>		1.2	0.095	mg/Kg	☼	10/07/24 12:32	10/07/24 19:35	5

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-3 (4-6')**

**Lab Sample ID: 670-48952-3**

Date Collected: 10/02/24 13:05

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.7

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.00062	U J3	0.011	0.00062	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,1,1-Trichloroethane	0.00044	U J3	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,1,2,2-Tetrachloroethane	0.00053	U	0.011	0.00053	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,1,2-Trichloroethane	0.00061	U	0.011	0.00061	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,1-Dichloroethane	0.00044	U	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,1-Dichloroethene	0.00055	U J3	0.011	0.00055	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,1-Dichloropropene	0.00048	U	0.011	0.00048	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,2,3-Trichloropropane	0.00098	U	0.027	0.00098	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,2,4-Trimethylbenzene	0.00060	U	0.027	0.00060	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Ethylene Dibromide	0.00060	U	0.011	0.00060	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,2-Dichloroethane	0.00047	U J3	0.053	0.00047	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,2-Dichloropropane	0.00052	U J3	0.011	0.00052	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,3,5-Trimethylbenzene	0.013	U	0.027	0.013	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,3-Dichloropropane	0.00044	U	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,3-Dichlorobenzene	0.00053	U	0.027	0.00053	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
1,4-Dichlorobenzene	0.00045	U	0.011	0.00045	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
2,2-Dichloropropane	0.00044	U J3	0.027	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
2-Butanone (MEK)	0.022	U	0.089	0.022	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
2-Chlorotoluene	0.00043	U J3	0.011	0.00043	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
2-Hexanone	0.022	U	0.089	0.022	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
4-Chlorotoluene	0.00054	U	0.011	0.00054	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
4-Methyl-2-pentanone (MIBK)	0.022	U	0.089	0.022	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Acetone	0.022	U	0.089	0.022	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Benzene	0.00044	U J3	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Bromobenzene	0.00064	U	0.011	0.00064	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Chlorobromomethane	0.00076	U	0.011	0.00076	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Dichlorobromomethane	0.00056	U J3	0.011	0.00056	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Bromoform	0.00069	U	0.011	0.00069	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Bromomethane	0.00044	U	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Carbon disulfide	0.0022	U	0.011	0.0022	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Carbon tetrachloride	0.00053	U J3	0.011	0.00053	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Chlorobenzene	0.00047	U J3	0.011	0.00047	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Chloroethane	0.00060	U	0.011	0.00060	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Chloroform	0.00054	U	0.011	0.00054	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Chloromethane	0.00058	U J3	0.011	0.00058	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
cis-1,2-Dichloroethene	0.00057	U J3	0.011	0.00057	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
cis-1,3-Dichloropropene	0.00044	U	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Chlorodibromomethane	0.00064	U	0.011	0.00064	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Dibromomethane	0.00076	U	0.011	0.00076	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Dichlorodifluoromethane	0.00055	U	0.011	0.00055	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Ethylbenzene	0.00052	U	0.011	0.00052	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Isopropylbenzene	0.00048	U J3	0.011	0.00048	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
m-Xylene & p-Xylene	0.00098	U J3	0.018	0.00098	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Methylene Chloride	0.018	U	0.062	0.018	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Methyl tert-butyl ether	0.00056	U	0.011	0.00056	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
n-Butylbenzene	0.00080	U	0.011	0.00080	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
N-Propylbenzene	0.00056	U	0.011	0.00056	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
o-Xylene	0.00050	U	0.018	0.00050	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
sec-Butylbenzene	0.00058	U	0.011	0.00058	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-3 (4-6')**

**Lab Sample ID: 670-48952-3**

Date Collected: 10/02/24 13:05

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.7

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.00044	U	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
tert-Butylbenzene	0.00062	U J3	0.011	0.00062	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Tetrachloroethene	0.00060	U J3	0.011	0.00060	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Toluene	0.0027	U J3	0.011	0.0027	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
trans-1,2-Dichloroethene	0.00061	U J3	0.011	0.00061	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
trans-1,3-Dichloropropene	0.00044	U J3	0.011	0.00044	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Trichloroethene	0.00053	U J3	0.011	0.00053	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Trichlorofluoromethane	0.00048	U	0.011	0.00048	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Vinyl chloride	0.00039	U	0.011	0.00039	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1
Xylenes, Total	0.00098	U	0.018	0.00098	mg/Kg	☼	10/07/24 16:28	10/15/24 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	103		50 - 150	10/07/24 16:28	10/15/24 02:41	1
4-Bromofluorobenzene (Surr)	102		50 - 150	10/07/24 16:28	10/15/24 02:41	1
Dibromofluoromethane (Surr)	114		50 - 150	10/07/24 16:28	10/15/24 02:41	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.00093	U	0.0040	0.00093	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
2-Methylnaphthalene	0.0013	U	0.0040	0.0013	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
Acenaphthene	0.00078	U	0.0040	0.00078	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Acenaphthylene</b>	<b>0.0063</b>		0.0040	0.0015	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Anthracene</b>	<b>0.0018</b>	I	0.0040	0.0014	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
Benzo[a]anthracene	0.0075	U	0.012	0.0075	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Benzo[a]pyrene</b>	<b>0.0067</b>		0.0040	0.0015	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Benzo[b]fluoranthene</b>	<b>0.014</b>		0.012	0.0047	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Benzo[g,h,i]perylene</b>	<b>0.0045</b>		0.0040	0.0027	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
Benzo[k]fluoranthene	0.0020	U	0.0040	0.0020	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
Chrysene	0.0094	U	0.012	0.0094	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
Dibenz(a,h)anthracene	0.0027	U	0.0040	0.0027	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Fluoranthene</b>	<b>0.0087</b>		0.0040	0.0020	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Fluorene</b>	<b>0.0015</b>	I	0.0040	0.00083	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Indeno[1,2,3-cd]pyrene</b>	<b>0.0033</b>	I	0.0040	0.0028	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Naphthalene</b>	<b>0.0011</b>	I	0.0040	0.0011	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Phenanthrene</b>	<b>0.0029</b>	I	0.0040	0.00096	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1
<b>Pyrene</b>	<b>0.0079</b>	I	0.012	0.0049	mg/Kg	☼	10/07/24 08:38	10/07/24 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-methylnaphthalene-d10	59		27 - 148	10/07/24 08:38	10/07/24 18:59	1
Fluoranthene-d10 (Surr)	95		37 - 150	10/07/24 08:38	10/07/24 18:59	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.11	U	0.40	0.11	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2,4,6-Trichlorophenol	0.098	U	0.40	0.098	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2,4-Dichlorophenol	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2,4-Dimethylphenol	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2,4-Dinitrophenol	0.041	U	0.40	0.041	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2,4-Dinitrotoluene	0.12	U	0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2,6-Dinitrotoluene	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-3 (4-6')**

**Lab Sample ID: 670-48952-3**

Date Collected: 10/02/24 13:05

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.7

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2-Chlorophenol	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
4,6-Dinitro-2-methylphenol	0.078	U	0.40	0.078	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2-Methylnaphthalene	0.12	U	0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2-Methylphenol	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
2-Nitrophenol	0.12	U	0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
3 & 4 Methylphenol	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
3,3'-Dichlorobenzidine	0.26	U	0.40	0.26	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
4-Bromophenyl phenyl ether	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
4-Chloro-3-methylphenol	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
4-Chlorophenyl phenyl ether	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
4-Nitrophenol	0.10	U	0.40	0.10	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Acenaphthene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Acenaphthylene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Anthracene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Benzo[a]anthracene	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
<b>Benzo[a]pyrene</b>	<b>0.096</b>	<b>I V</b>	0.40	0.092	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Benzo[b]fluoranthene	0.12	U	0.40	0.12	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Benzo[g,h,i]perylene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Benzo[k]fluoranthene	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Bis(2-chloroethoxy)methane	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Bis(2-chloroethyl)ether	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
bis (2-chloroisopropyl) ether	0.13	U J3	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Bis(2-ethylhexyl) phthalate	0.088	U	0.40	0.088	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Butyl benzyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Chrysene	0.16	U	0.40	0.16	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Dibenz(a,h)anthracene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Diethyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Dimethyl phthalate	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Di-n-butyl phthalate	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Di-n-octyl phthalate	0.11	U	0.40	0.11	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Fluoranthene	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Fluorene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Hexachlorobenzene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Hexachlorobutadiene	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Hexachlorocyclopentadiene	0.11	U	0.40	0.11	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Hexachloroethane	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Indeno[1,2,3-cd]pyrene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Isophorone	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Naphthalene	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Nitrobenzene	0.14	U	0.40	0.14	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
N-Nitrosodi-n-propylamine	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Pentachlorophenol	0.060	U	0.40	0.060	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Phenol	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Pyrene	0.15	U	0.40	0.15	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
Diphenylamine	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1
N-Nitrosodiphenylamine	0.13	U	0.40	0.13	mg/Kg	☼	10/09/24 05:49	10/14/24 12:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	112		45 - 130	10/09/24 05:49	10/14/24 12:11	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-3 (4-6')**

**Lab Sample ID: 670-48952-3**

Date Collected: 10/02/24 13:05

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.7

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	97		55 - 130	10/09/24 05:49	10/14/24 12:11	1
p-Terphenyl-d14 (Surr)	101		41 - 174	10/09/24 05:49	10/14/24 12:11	1
Phenol-d5 (Surr)	100		31 - 132	10/09/24 05:49	10/14/24 12:11	1
2-Fluorophenol (Surr)	97		38 - 141	10/09/24 05:49	10/14/24 12:11	1
2,4,6-Tribromophenol (Surr)	112		30 - 140	10/09/24 05:49	10/14/24 12:11	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Petroleum Hydrocarbons (C8-C40)</b>	<b>26</b>	<b>I</b>	52	26	mg/Kg	✱	10/07/24 15:05	10/08/24 11:28	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
o-terphenyl (Surr)	95		66 - 136	10/07/24 15:05	10/08/24 11:28	1			
C35 (Surr)	89		36 - 132	10/07/24 15:05	10/08/24 11:28	1			

**Method: SW846 6020B - Metals (ICP/MS)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>9.2</b>		1.2	0.095	mg/Kg	✱	10/07/24 12:32	10/07/24 19:37	5

**Client Sample ID: IDW**

**Lab Sample ID: 670-48952-4**

Date Collected: 10/02/24 13:10

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 84.1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00052	U J3	0.012	0.00052	mg/Kg	✱	10/07/24 16:28	10/15/24 03:03	1
Ethylbenzene	0.00060	U	0.012	0.00060	mg/Kg	✱	10/07/24 16:28	10/15/24 03:03	1
Toluene	0.0031	U J3	0.012	0.0031	mg/Kg	✱	10/07/24 16:28	10/15/24 03:03	1
Xylenes, Total	0.0011	U	0.021	0.0011	mg/Kg	✱	10/07/24 16:28	10/15/24 03:03	1
m-Xylene & p-Xylene	0.0011	U J3	0.021	0.0011	mg/Kg	✱	10/07/24 16:28	10/15/24 03:03	1
o-Xylene	0.00058	U	0.021	0.00058	mg/Kg	✱	10/07/24 16:28	10/15/24 03:03	1
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
Toluene-d8 (Surr)	100		50 - 150	10/07/24 16:28	10/15/24 03:03	1			
4-Bromofluorobenzene (Surr)	112		50 - 150	10/07/24 16:28	10/15/24 03:03	1			
Dibromofluoromethane (Surr)	121		50 - 150	10/07/24 16:28	10/15/24 03:03	1			

**Method: SW846 6010D - Metals (ICP)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Arsenic</b>	<b>1.0</b>	<b>I</b>	1.2	0.36	mg/Kg	✱	10/15/24 08:19	10/15/24 16:01	1
Cadmium	0.15	U	0.46	0.15	mg/Kg	✱	10/15/24 08:19	10/15/24 16:01	1
<b>Chromium</b>	<b>5.3</b>		0.58	0.38	mg/Kg	✱	10/15/24 08:19	10/15/24 16:01	1
<b>Lead</b>	<b>9.0</b>		2.3	0.42	mg/Kg	✱	10/15/24 08:19	10/15/24 16:01	1

**Client Sample ID: Rinsate Blank**

**Lab Sample ID: 670-48952-5**

Date Collected: 10/02/24 16:00

Matrix: Water

Date Received: 10/03/24 12:01

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/07/24 19:46	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: Rinsate Blank**

**Lab Sample ID: 670-48952-5**

Date Collected: 10/02/24 16:00

Matrix: Water

Date Received: 10/03/24 12:01

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/07/24 19:46	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/07/24 19:46	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/07/24 19:46	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/07/24 19:46	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/07/24 19:46	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/07/24 19:46	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/07/24 19:46	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/07/24 19:46	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/07/24 19:46	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/07/24 19:46	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/07/24 19:46	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/07/24 19:46	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/07/24 19:46	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 19:46	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/07/24 19:46	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/07/24 19:46	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/07/24 19:46	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/07/24 19:46	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/07/24 19:46	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/07/24 19:46	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/07/24 19:46	1
Acetone	25	U	50	25	ug/L			10/07/24 19:46	1
Benzene	0.71	U	1.0	0.71	ug/L			10/07/24 19:46	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 19:46	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/07/24 19:46	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/07/24 19:46	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/07/24 19:46	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/07/24 19:46	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/07/24 19:46	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/07/24 19:46	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/07/24 19:46	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/07/24 19:46	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/07/24 19:46	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/07/24 19:46	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/07/24 19:46	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/07/24 19:46	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/07/24 19:46	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/07/24 19:46	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/07/24 19:46	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/07/24 19:46	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/07/24 19:46	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/07/24 19:46	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/07/24 19:46	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/07/24 19:46	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/07/24 19:46	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/07/24 19:46	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/07/24 19:46	1
Styrene	0.61	U	1.0	0.61	ug/L			10/07/24 19:46	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/07/24 19:46	1

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: Rinsate Blank**

**Lab Sample ID: 670-48952-5**

Date Collected: 10/02/24 16:00

Matrix: Water

Date Received: 10/03/24 12:01

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/07/24 19:46	1
Toluene	0.72	U	1.0	0.72	ug/L			10/07/24 19:46	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/07/24 19:46	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/07/24 19:46	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/07/24 19:46	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/07/24 19:46	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/07/24 19:46	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/07/24 19:46	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	108		40 - 146					10/07/24 19:46	1
4-Bromofluorobenzene (Surr)	106		41 - 142					10/07/24 19:46	1
Dibromofluoromethane (Surr)	103		53 - 146					10/07/24 19:46	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloroform</b>	<b>270</b>		25	4.0	ug/L			10/08/24 11:32	5
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	107		40 - 146					10/08/24 11:32	5
4-Bromofluorobenzene (Surr)	102		41 - 142					10/08/24 11:32	5
Dibromofluoromethane (Surr)	103		53 - 146					10/08/24 11:32	5

**Client Sample ID: Field Blank**

**Lab Sample ID: 670-48952-6**

Date Collected: 10/02/24 00:00

Matrix: Water

Date Received: 10/03/24 12:01

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/07/24 19:28	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/07/24 19:28	1
1,1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/07/24 19:28	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/07/24 19:28	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/07/24 19:28	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/07/24 19:28	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/07/24 19:28	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/07/24 19:28	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/07/24 19:28	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/07/24 19:28	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/07/24 19:28	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/07/24 19:28	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/07/24 19:28	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/07/24 19:28	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 19:28	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/07/24 19:28	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/07/24 19:28	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/07/24 19:28	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/07/24 19:28	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/07/24 19:28	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/07/24 19:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/07/24 19:28	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: Field Blank**

**Lab Sample ID: 670-48952-6**

Date Collected: 10/02/24 00:00

Matrix: Water

Date Received: 10/03/24 12:01

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	50	25	ug/L			10/07/24 19:28	1
Benzene	0.71	U	1.0	0.71	ug/L			10/07/24 19:28	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 19:28	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/07/24 19:28	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/07/24 19:28	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/07/24 19:28	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/07/24 19:28	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/07/24 19:28	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/07/24 19:28	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/07/24 19:28	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/07/24 19:28	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/07/24 19:28	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/07/24 19:28	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/07/24 19:28	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/07/24 19:28	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/07/24 19:28	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/07/24 19:28	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/07/24 19:28	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/07/24 19:28	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/07/24 19:28	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/07/24 19:28	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/07/24 19:28	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/07/24 19:28	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/07/24 19:28	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/07/24 19:28	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/07/24 19:28	1
Styrene	0.61	U	1.0	0.61	ug/L			10/07/24 19:28	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/07/24 19:28	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/07/24 19:28	1
Toluene	0.72	U	1.0	0.72	ug/L			10/07/24 19:28	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/07/24 19:28	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/07/24 19:28	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/07/24 19:28	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/07/24 19:28	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/07/24 19:28	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/07/24 19:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	106		40 - 146		10/07/24 19:28	1
4-Bromofluorobenzene (Surr)	103		41 - 142		10/07/24 19:28	1
Dibromofluoromethane (Surr)	104		53 - 146		10/07/24 19:28	1

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS - DL**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	260		25	4.0	ug/L			10/08/24 11:53	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	108		40 - 146		10/08/24 11:53	5
4-Bromofluorobenzene (Surr)	102		41 - 142		10/08/24 11:53	5
Dibromofluoromethane (Surr)	102		53 - 146		10/08/24 11:53	5

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 670-48952-7**

Date Collected: 10/02/24 00:00

Matrix: Water

Date Received: 10/03/24 12:01

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/07/24 19:09	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/07/24 19:09	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/07/24 19:09	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/07/24 19:09	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/07/24 19:09	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/07/24 19:09	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/07/24 19:09	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/07/24 19:09	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/07/24 19:09	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/07/24 19:09	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/07/24 19:09	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/07/24 19:09	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/07/24 19:09	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/07/24 19:09	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 19:09	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/07/24 19:09	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/07/24 19:09	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/07/24 19:09	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/07/24 19:09	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/07/24 19:09	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/07/24 19:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/07/24 19:09	1
Acetone	25	U	50	25	ug/L			10/07/24 19:09	1
Benzene	0.71	U	1.0	0.71	ug/L			10/07/24 19:09	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 19:09	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/07/24 19:09	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/07/24 19:09	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/07/24 19:09	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/07/24 19:09	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/07/24 19:09	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/07/24 19:09	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/07/24 19:09	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/07/24 19:09	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/07/24 19:09	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/07/24 19:09	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/07/24 19:09	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/07/24 19:09	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/07/24 19:09	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/07/24 19:09	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/07/24 19:09	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/07/24 19:09	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/07/24 19:09	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/07/24 19:09	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/07/24 19:09	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/07/24 19:09	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/07/24 19:09	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/07/24 19:09	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/07/24 19:09	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/07/24 19:09	1

# Client Sample Results

Client: PPM Consultants, Inc.  
 Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 670-48952-7**

Date Collected: 10/02/24 00:00

Matrix: Water

Date Received: 10/03/24 12:01

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			10/07/24 19:09	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/07/24 19:09	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/07/24 19:09	1
Toluene	0.72	U	1.0	0.72	ug/L			10/07/24 19:09	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/07/24 19:09	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/07/24 19:09	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/07/24 19:09	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/07/24 19:09	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/07/24 19:09	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/07/24 19:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		40 - 146		10/07/24 19:09	1
4-Bromofluorobenzene (Surr)	107		41 - 142		10/07/24 19:09	1
Dibromofluoromethane (Surr)	103		53 - 146		10/07/24 19:09	1

# Surrogate Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TOL (50-150)	BFB (50-150)	DBFM (50-150)
670-48952-1	SB-1 (10-12')	100	96	115
670-48952-2	SB-2 (4-6')	104	105	116
670-48952-3	SB-3 (4-6')	103	102	114
670-48952-4	IDW	100	112	121
LCS 670-115943/5	Lab Control Sample	91	100	88
LCS 670-115943/6	Lab Control Sample Dup	91	100	87
MB 670-115943/9	Method Blank	97	97	105

**Surrogate Legend**

TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TOL (40-146)	BFB (41-142)	DBFM (53-146)
670-48952-5	Rinsate Blank	108	106	103
670-48952-5 - DL	Rinsate Blank	107	102	103
670-48952-6	Field Blank	106	103	104
670-48952-6 - DL	Field Blank	108	102	102
670-48952-7	Trip Blank	107	107	103
LB 670-114303/1-A	Method Blank	109	102	100
LCS 670-114934/4	Lab Control Sample	105	98	98
LCS 670-115176/4	Lab Control Sample	103	98	99
MB 670-114934/7	Method Blank	107	104	101
MB 670-115176/7	Method Blank	105	99	103

**Surrogate Legend**

TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (45-130)	FBP (55-130)	TPHd14 (41-174)	PHL (31-132)	2FP (38-141)	TBP (30-140)
670-48952-1	SB-1 (10-12')	106	89	89	96	90	103
670-48952-1 MS	SB-1 (10-12')	39 J1	42 J1	50	38	30 J1	55
670-48952-1 MSD	SB-1 (10-12')	110	88	90	97	93	105
670-48952-2	SB-2 (4-6')	118	97	89	106	105	109
670-48952-3	SB-3 (4-6')	112	97	101	100	97	112
LCS 670-115402/2-A	Lab Control Sample	133 J1	107	112	121	120	121
MB 670-115402/1-A	Method Blank	122	102	105	106	106	108

**Surrogate Legend**

NBZ = Nitrobenzene-d5 (Surr)  
FBP = 2-Fluorobiphenyl

# Surrogate Summary

Client: PPM Consultants, Inc.  
 Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

TPHd14 = p-Terphenyl-d14 (Surr)  
 PHL = Phenol-d5 (Surr)  
 2FP = 2-Fluorophenol (Surr)  
 TBP = 2,4,6-Tribromophenol (Surr)

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

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	2MN	FLN10
		(27-148)	(37-150)
670-48952-1	SB-1 (10-12')	66	110
670-48952-2	SB-2 (4-6')	79	114
670-48952-2 - DL	SB-2 (4-6')	60	45
670-48952-3	SB-3 (4-6')	59	95
LCS 670-114899/2-A	Lab Control Sample	85	114
MB 670-114899/1-A	Method Blank	63	43

#### Surrogate Legend

2MN = 2-methylnaphthalene-d10  
 FLN10 = Fluoranthene-d10 (Surr)

## Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Matrix: Solid

Prep Type: Total/NA

### Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTP	C-35
		(66-136)	(36-132)
670-48952-1	SB-1 (10-12')	138 J1	154 J1
670-48952-2	SB-2 (4-6')	127	154 J1
670-48952-3	SB-3 (4-6')	95	89
LCS 670-115045/2-A	Lab Control Sample	108	93
MB 670-115045/1-A	Method Blank	104	96

#### Surrogate Legend

OTP = o-terphenyl (Surr)  
 C-35 = C35 (Surr)

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB 670-114303/1-A

Matrix: Water

Analysis Batch: 114934

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	LB LB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	61	U	100	61	ug/L			10/07/24 12:46	100
1,1,1-Trichloroethane	80	U	100	80	ug/L			10/07/24 12:46	100
1,1,2,2-Tetrachloroethane	54	U	100	54	ug/L			10/07/24 12:46	100
1,1,2-Trichloroethane	76	U	200	76	ug/L			10/07/24 12:46	100
1,1-Dichloroethane	62	U	100	62	ug/L			10/07/24 12:46	100
1,1-Dichloroethene	94	U	100	94	ug/L			10/07/24 12:46	100
1,1-Dichloropropene	74	U	100	74	ug/L			10/07/24 12:46	100
1,2,3-Trichloropropane	64	U	200	64	ug/L			10/07/24 12:46	100
1,2,4-Trimethylbenzene	69	U	200	69	ug/L			10/07/24 12:46	100
Ethylene Dibromide	78	U	1200	78	ug/L			10/07/24 12:46	100
1,2-Dichloroethane	63	U	100	63	ug/L			10/07/24 12:46	100
1,2-Dichloropropane	80	U	100	80	ug/L			10/07/24 12:46	100
1,3,5-Trimethylbenzene	58	U	200	58	ug/L			10/07/24 12:46	100
1,3-Dichloropropane	60	U	100	60	ug/L			10/07/24 12:46	100
1,3-Dichlorobenzene	77	U	100	77	ug/L			10/07/24 12:46	100
1,4-Dichlorobenzene	76	U	100	76	ug/L			10/07/24 12:46	100
2,2-Dichloropropane	66	U	500	66	ug/L			10/07/24 12:46	100
2-Butanone (MEK)	450	U	1000	450	ug/L			10/07/24 12:46	100
2-Chlorotoluene	68	U	100	68	ug/L			10/07/24 12:46	100
2-Hexanone	250	U	2000	250	ug/L			10/07/24 12:46	100
4-Chlorotoluene	65	U	200	65	ug/L			10/07/24 12:46	100
4-Methyl-2-pentanone (MIBK)	500	U	2000	500	ug/L			10/07/24 12:46	100
Acetone	2500	U	5000	2500	ug/L			10/07/24 12:46	100
Benzene	71	U	100	71	ug/L			10/07/24 12:46	100
Bromobenzene	77	U	100	77	ug/L			10/07/24 12:46	100
Chlorobromomethane	94	U	200	94	ug/L			10/07/24 12:46	100
Dichlorobromomethane	52	U	100	52	ug/L			10/07/24 12:46	100
Bromoform	75	U	100	75	ug/L			10/07/24 12:46	100
Bromomethane	95	U	200	95	ug/L			10/07/24 12:46	100
Carbon disulfide	250	U	500	250	ug/L			10/07/24 12:46	100
Carbon tetrachloride	94	U	100	94	ug/L			10/07/24 12:46	100
Chlorobenzene	72	U	100	72	ug/L			10/07/24 12:46	100
Chloroethane	98	U	200	98	ug/L			10/07/24 12:46	100
Chloroform	80	U	500	80	ug/L			10/07/24 12:46	100
Chloromethane	82	U	200	82	ug/L			10/07/24 12:46	100
cis-1,2-Dichloroethene	53	U	100	53	ug/L			10/07/24 12:46	100
cis-1,3-Dichloropropene	59	U	100	59	ug/L			10/07/24 12:46	100
Chlorodibromomethane	50	U	100	50	ug/L			10/07/24 12:46	100
Dibromomethane	84	U	100	84	ug/L			10/07/24 12:46	100
Dichlorodifluoromethane	74	U	100	74	ug/L			10/07/24 12:46	100
Ethylbenzene	69	U	100	69	ug/L			10/07/24 12:46	100
Isopropylbenzene	67	U	100	67	ug/L			10/07/24 12:46	100
m-Xylene & p-Xylene	130	U	200	130	ug/L			10/07/24 12:46	100
Methylene Chloride	500	U	1000	500	ug/L			10/07/24 12:46	100
Methyl tert-butyl ether	60	U	200	60	ug/L			10/07/24 12:46	100
n-Butylbenzene	70	U	100	70	ug/L			10/07/24 12:46	100
N-Propylbenzene	50	U	100	50	ug/L			10/07/24 12:46	100
o-Xylene	53	U	100	53	ug/L			10/07/24 12:46	100

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB 670-114303/1-A

Matrix: Water

Analysis Batch: 114934

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	LB LB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
sec-Butylbenzene	74	U	200	74	ug/L			10/07/24 12:46	100
Styrene	61	U	100	61	ug/L			10/07/24 12:46	100
tert-Butylbenzene	64	U	200	64	ug/L			10/07/24 12:46	100
Tetrachloroethene	76	U	100	76	ug/L			10/07/24 12:46	100
Toluene	72	U	100	72	ug/L			10/07/24 12:46	100
trans-1,2-Dichloroethene	73	U	100	73	ug/L			10/07/24 12:46	100
trans-1,3-Dichloropropene	73	U	100	73	ug/L			10/07/24 12:46	100
Trichloroethene	89	U	100	89	ug/L			10/07/24 12:46	100
Trichlorofluoromethane	94	U	100	94	ug/L			10/07/24 12:46	100
Vinyl chloride	71	U	100	71	ug/L			10/07/24 12:46	100
Xylenes, Total	130	U	200	130	ug/L			10/07/24 12:46	100

Surrogate	LB LB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	109		40 - 146		10/07/24 12:46	100
4-Bromofluorobenzene (Surr)	102		41 - 142		10/07/24 12:46	100
Dibromofluoromethane (Surr)	100		53 - 146		10/07/24 12:46	100

Lab Sample ID: MB 670-114934/7

Matrix: Water

Analysis Batch: 114934

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/07/24 12:19	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/07/24 12:19	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/07/24 12:19	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/07/24 12:19	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/07/24 12:19	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/07/24 12:19	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/07/24 12:19	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/07/24 12:19	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/07/24 12:19	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/07/24 12:19	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/07/24 12:19	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/07/24 12:19	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/07/24 12:19	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/07/24 12:19	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 12:19	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/07/24 12:19	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/07/24 12:19	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/07/24 12:19	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/07/24 12:19	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/07/24 12:19	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/07/24 12:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/07/24 12:19	1
Acetone	25	U	50	25	ug/L			10/07/24 12:19	1
Benzene	0.71	U	1.0	0.71	ug/L			10/07/24 12:19	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/07/24 12:19	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/07/24 12:19	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-114934/7

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 114934

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/07/24 12:19	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/07/24 12:19	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/07/24 12:19	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/07/24 12:19	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/07/24 12:19	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/07/24 12:19	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/07/24 12:19	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/07/24 12:19	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/07/24 12:19	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/07/24 12:19	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/07/24 12:19	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/07/24 12:19	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/07/24 12:19	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/07/24 12:19	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/07/24 12:19	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/07/24 12:19	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/07/24 12:19	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/07/24 12:19	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/07/24 12:19	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/07/24 12:19	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/07/24 12:19	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/07/24 12:19	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/07/24 12:19	1
Styrene	0.61	U	1.0	0.61	ug/L			10/07/24 12:19	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/07/24 12:19	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/07/24 12:19	1
Toluene	0.72	U	1.0	0.72	ug/L			10/07/24 12:19	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/07/24 12:19	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/07/24 12:19	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/07/24 12:19	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/07/24 12:19	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/07/24 12:19	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/07/24 12:19	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	107		40 - 146		10/07/24 12:19	1
4-Bromofluorobenzene (Surr)	104		41 - 142		10/07/24 12:19	1
Dibromofluoromethane (Surr)	101		53 - 146		10/07/24 12:19	1

Lab Sample ID: LCS 670-114934/4

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 114934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	57 - 148
1,1,1,2,2-Tetrachloroethane	20.0	21.1		ug/L		105	60 - 139
1,1,2-Trichloroethane	20.0	19.2		ug/L		96	57 - 141

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-114934/4

Matrix: Water

Analysis Batch: 114934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1,1-Dichloroethane	20.0	20.6		ug/L		103	57 - 142
1,1-Dichloroethene	20.0	20.1		ug/L		101	47 - 139
1,1-Dichloropropene	20.0	19.6		ug/L		98	56 - 137
1,2,3-Trichloropropane	20.0	19.0		ug/L		95	57 - 141
1,2,4-Trimethylbenzene	20.0	21.1		ug/L		106	59 - 142
Ethylene Dibromide	20.0	18.3		ug/L		91	57 - 140
1,2-Dichloroethane	20.0	21.0		ug/L		105	50 - 156
1,2-Dichloropropane	20.0	20.9		ug/L		105	61 - 133
1,3,5-Trimethylbenzene	20.0	21.4		ug/L		107	61 - 137
1,3-Dichloropropane	20.0	19.2		ug/L		96	50 - 148
1,3-Dichlorobenzene	20.0	20.6		ug/L		103	66 - 129
1,4-Dichlorobenzene	20.0	20.7		ug/L		103	65 - 133
2,2-Dichloropropane	20.0	18.8		ug/L		94	54 - 146
2-Butanone (MEK)	200	185		ug/L		92	10 - 180
2-Chlorotoluene	20.0	20.8		ug/L		104	64 - 133
2-Hexanone	200	195		ug/L		97	12 - 180
4-Chlorotoluene	20.0	21.3		ug/L		107	62 - 138
4-Methyl-2-pentanone (MIBK)	200	194		ug/L		97	19 - 180
Acetone	200	184		ug/L		92	10 - 180
Benzene	20.0	20.1		ug/L		100	56 - 136
Bromobenzene	20.0	18.7		ug/L		94	59 - 147
Chlorobromomethane	20.0	16.6		ug/L		83	54 - 141
Dichlorobromomethane	20.0	20.7		ug/L		104	58 - 135
Bromoform	20.0	17.1		ug/L		85	46 - 148
Bromomethane	20.0	19.7		ug/L		99	10 - 173
Carbon disulfide	20.0	17.6		ug/L		88	43 - 153
Carbon tetrachloride	20.0	19.1		ug/L		96	54 - 156
Chlorobenzene	20.0	20.6		ug/L		103	51 - 139
Chloroethane	20.0	20.7		ug/L		104	27 - 180
Chloroform	20.0	20.3		ug/L		101	58 - 139
Chloromethane	20.0	12.0		ug/L		60	33 - 154
cis-1,2-Dichloroethene	20.0	20.7		ug/L		104	56 - 128
cis-1,3-Dichloropropene	20.0	18.3		ug/L		92	64 - 128
Chlorodibromomethane	20.0	18.8		ug/L		94	50 - 140
Dibromomethane	20.0	20.1		ug/L		101	59 - 143
Dichlorodifluoromethane	20.0	5.34		ug/L		27	10 - 180
Ethylbenzene	20.0	21.2		ug/L		106	63 - 133
Isopropylbenzene	20.0	21.5		ug/L		108	60 - 132
m-Xylene & p-Xylene	20.0	20.8		ug/L		104	64 - 133
Methylene Chloride	20.0	19.6		ug/L		98	43 - 142
Methyl tert-butyl ether	20.0	17.5		ug/L		87	51 - 145
n-Butylbenzene	20.0	22.2		ug/L		111	59 - 148
N-Propylbenzene	20.0	23.0		ug/L		115	63 - 135
o-Xylene	20.0	20.3		ug/L		101	61 - 129
sec-Butylbenzene	20.0	22.5		ug/L		113	63 - 137
Styrene	20.0	20.3		ug/L		101	59 - 136
tert-Butylbenzene	20.0	21.6		ug/L		108	61 - 136
Tetrachloroethene	20.0	18.2		ug/L		91	60 - 147
Toluene	20.0	20.0		ug/L		100	64 - 131

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-114934/4

Matrix: Water

Analysis Batch: 114934

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
trans-1,2-Dichloroethene	20.0	18.3		ug/L		91	54 - 134
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	65 - 149
Trichloroethene	20.0	18.3		ug/L		91	62 - 135
Trichlorofluoromethane	20.0	18.3		ug/L		91	56 - 155
Vinyl chloride	20.0	13.6		ug/L		68	20 - 167
Xylenes, Total	40.0	41.1		ug/L		103	50 - 150

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	105		40 - 146
4-Bromofluorobenzene (Surr)	98		41 - 142
Dibromofluoromethane (Surr)	98		53 - 146

Lab Sample ID: MB 670-115176/7

Matrix: Water

Analysis Batch: 115176

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/08/24 10:26	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/08/24 10:26	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/08/24 10:26	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/08/24 10:26	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/08/24 10:26	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/08/24 10:26	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/08/24 10:26	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/08/24 10:26	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/08/24 10:26	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/08/24 10:26	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/08/24 10:26	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/08/24 10:26	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/08/24 10:26	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/08/24 10:26	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/08/24 10:26	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/08/24 10:26	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/08/24 10:26	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/08/24 10:26	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/08/24 10:26	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/08/24 10:26	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/08/24 10:26	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/08/24 10:26	1
Acetone	25	U	50	25	ug/L			10/08/24 10:26	1
Benzene	0.71	U	1.0	0.71	ug/L			10/08/24 10:26	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/08/24 10:26	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/08/24 10:26	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/08/24 10:26	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/08/24 10:26	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/08/24 10:26	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/08/24 10:26	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/08/24 10:26	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-115176/7

Matrix: Water

Analysis Batch: 115176

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/08/24 10:26	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/08/24 10:26	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/08/24 10:26	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/08/24 10:26	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/08/24 10:26	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/08/24 10:26	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/08/24 10:26	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/08/24 10:26	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/08/24 10:26	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/08/24 10:26	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/08/24 10:26	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/08/24 10:26	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/08/24 10:26	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/08/24 10:26	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/08/24 10:26	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/08/24 10:26	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/08/24 10:26	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/08/24 10:26	1
Styrene	0.61	U	1.0	0.61	ug/L			10/08/24 10:26	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/08/24 10:26	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/08/24 10:26	1
Toluene	0.72	U	1.0	0.72	ug/L			10/08/24 10:26	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/08/24 10:26	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/08/24 10:26	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/08/24 10:26	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/08/24 10:26	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/08/24 10:26	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/08/24 10:26	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	105		40 - 146		10/08/24 10:26	1
4-Bromofluorobenzene (Surr)	99		41 - 142		10/08/24 10:26	1
Dibromofluoromethane (Surr)	103		53 - 146		10/08/24 10:26	1

Lab Sample ID: LCS 670-115176/4

Matrix: Water

Analysis Batch: 115176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	20.7		ug/L		103	57 - 148
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		104	60 - 139
1,1,2-Trichloroethane	20.0	20.4		ug/L		102	57 - 141
1,1-Dichloroethane	20.0	22.6		ug/L		113	57 - 142
1,1-Dichloroethene	20.0	20.3		ug/L		102	47 - 139
1,1-Dichloropropene	20.0	19.4		ug/L		97	56 - 137
1,2,3-Trichloropropane	20.0	21.0		ug/L		105	57 - 141
1,2,4-Trimethylbenzene	20.0	20.9		ug/L		105	59 - 142

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-115176/4

Matrix: Water

Analysis Batch: 115176

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Ethylene Dibromide	20.0	17.8		ug/L		89	57 - 140
1,2-Dichloroethane	20.0	21.9		ug/L		110	50 - 156
1,2-Dichloropropane	20.0	21.6		ug/L		108	61 - 133
1,3,5-Trimethylbenzene	20.0	20.7		ug/L		104	61 - 137
1,3-Dichloropropane	20.0	20.1		ug/L		100	50 - 148
1,3-Dichlorobenzene	20.0	20.3		ug/L		101	66 - 129
1,4-Dichlorobenzene	20.0	20.7		ug/L		104	65 - 133
2,2-Dichloropropane	20.0	18.8		ug/L		94	54 - 146
2-Butanone (MEK)	200	181		ug/L		91	10 - 180
2-Chlorotoluene	20.0	20.8		ug/L		104	64 - 133
2-Hexanone	200	192		ug/L		96	12 - 180
4-Chlorotoluene	20.0	21.4		ug/L		107	62 - 138
4-Methyl-2-pentanone (MIBK)	200	200		ug/L		100	19 - 180
Acetone	200	201		ug/L		101	10 - 180
Benzene	20.0	20.9		ug/L		104	56 - 136
Bromobenzene	20.0	18.2		ug/L		91	59 - 147
Chlorobromomethane	20.0	17.3		ug/L		86	54 - 141
Dichlorobromomethane	20.0	22.3		ug/L		112	58 - 135
Bromoform	20.0	17.4		ug/L		87	46 - 148
Bromomethane	20.0	19.0		ug/L		95	10 - 173
Carbon disulfide	20.0	18.3		ug/L		91	43 - 153
Carbon tetrachloride	20.0	18.7		ug/L		94	54 - 156
Chlorobenzene	20.0	19.9		ug/L		100	51 - 139
Chloroethane	20.0	19.3		ug/L		96	27 - 180
Chloroform	20.0	21.5		ug/L		107	58 - 139
Chloromethane	20.0	11.5		ug/L		57	33 - 154
cis-1,2-Dichloroethene	20.0	21.9		ug/L		110	56 - 128
cis-1,3-Dichloropropene	20.0	18.6		ug/L		93	64 - 128
Chlorodibromomethane	20.0	19.3		ug/L		96	50 - 140
Dibromomethane	20.0	19.3		ug/L		97	59 - 143
Dichlorodifluoromethane	20.0	4.05		ug/L		20	10 - 180
Ethylbenzene	20.0	20.6		ug/L		103	63 - 133
Isopropylbenzene	20.0	20.4		ug/L		102	60 - 132
m-Xylene & p-Xylene	20.0	20.7		ug/L		104	64 - 133
Methylene Chloride	20.0	19.2		ug/L		96	43 - 142
Methyl tert-butyl ether	20.0	16.6		ug/L		83	51 - 145
n-Butylbenzene	20.0	21.7		ug/L		109	59 - 148
N-Propylbenzene	20.0	22.3		ug/L		112	63 - 135
o-Xylene	20.0	19.0		ug/L		95	61 - 129
sec-Butylbenzene	20.0	21.6		ug/L		108	63 - 137
Styrene	20.0	19.5		ug/L		98	59 - 136
tert-Butylbenzene	20.0	20.7		ug/L		104	61 - 136
Tetrachloroethene	20.0	18.0		ug/L		90	60 - 147
Toluene	20.0	19.7		ug/L		99	64 - 131
trans-1,2-Dichloroethene	20.0	19.0		ug/L		95	54 - 134
trans-1,3-Dichloropropene	20.0	20.7		ug/L		104	65 - 149
Trichloroethene	20.0	18.7		ug/L		94	62 - 135
Trichlorofluoromethane	20.0	17.8		ug/L		89	56 - 155
Vinyl chloride	20.0	13.2		ug/L		66	20 - 167

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID:** LCS 670-115176/4  
**Matrix:** Water  
**Analysis Batch:** 115176

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Xylenes, Total	40.0	39.7		ug/L		99	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	103		40 - 146
4-Bromofluorobenzene (Surr)	98		41 - 142
Dibromofluoromethane (Surr)	99		53 - 146

**Lab Sample ID:** MB 670-115943/9  
**Matrix:** Solid  
**Analysis Batch:** 115943

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.00070	U	0.012	0.00070	mg/Kg			10/14/24 22:42	1
1,1,1-Trichloroethane	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
1,1,1,2,2-Tetrachloroethane	0.00060	U	0.012	0.00060	mg/Kg			10/14/24 22:42	1
1,1,2-Trichloroethane	0.00069	U	0.012	0.00069	mg/Kg			10/14/24 22:42	1
1,1-Dichloroethane	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
1,1-Dichloroethene	0.00062	U	0.012	0.00062	mg/Kg			10/14/24 22:42	1
1,1-Dichloropropene	0.00054	U	0.012	0.00054	mg/Kg			10/14/24 22:42	1
1,2,3-Trichloropropane	0.0011	U	0.030	0.0011	mg/Kg			10/14/24 22:42	1
1,2,4-Trimethylbenzene	0.00068	U	0.030	0.00068	mg/Kg			10/14/24 22:42	1
Ethylene Dibromide	0.00067	U	0.012	0.00067	mg/Kg			10/14/24 22:42	1
1,2-Dichloroethane	0.00053	U	0.060	0.00053	mg/Kg			10/14/24 22:42	1
1,2-Dichloropropane	0.00059	U	0.012	0.00059	mg/Kg			10/14/24 22:42	1
1,3,5-Trimethylbenzene	0.015	U	0.030	0.015	mg/Kg			10/14/24 22:42	1
1,3-Dichloropropane	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
1,3-Dichlorobenzene	0.00060	U	0.030	0.00060	mg/Kg			10/14/24 22:42	1
1,4-Dichlorobenzene	0.00051	U	0.012	0.00051	mg/Kg			10/14/24 22:42	1
2,2-Dichloropropane	0.00050	U	0.030	0.00050	mg/Kg			10/14/24 22:42	1
2-Butanone (MEK)	0.025	U	0.10	0.025	mg/Kg			10/14/24 22:42	1
2-Chlorotoluene	0.00048	U	0.012	0.00048	mg/Kg			10/14/24 22:42	1
2-Hexanone	0.025	U	0.10	0.025	mg/Kg			10/14/24 22:42	1
4-Chlorotoluene	0.00061	U	0.012	0.00061	mg/Kg			10/14/24 22:42	1
4-Methyl-2-pentanone (MIBK)	0.025	U	0.10	0.025	mg/Kg			10/14/24 22:42	1
Acetone	0.025	U	0.10	0.025	mg/Kg			10/14/24 22:42	1
Benzene	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
Bromobenzene	0.00072	U	0.012	0.00072	mg/Kg			10/14/24 22:42	1
Chlorobromomethane	0.00086	U	0.012	0.00086	mg/Kg			10/14/24 22:42	1
Dichlorobromomethane	0.00063	U	0.012	0.00063	mg/Kg			10/14/24 22:42	1
Bromoform	0.00078	U	0.012	0.00078	mg/Kg			10/14/24 22:42	1
Bromomethane	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
Carbon disulfide	0.0025	U	0.012	0.0025	mg/Kg			10/14/24 22:42	1
Carbon tetrachloride	0.00060	U	0.012	0.00060	mg/Kg			10/14/24 22:42	1
Chlorobenzene	0.00053	U	0.012	0.00053	mg/Kg			10/14/24 22:42	1
Chloroethane	0.00067	U	0.012	0.00067	mg/Kg			10/14/24 22:42	1
Chloroform	0.00061	U	0.012	0.00061	mg/Kg			10/14/24 22:42	1
Chloromethane	0.00065	U	0.012	0.00065	mg/Kg			10/14/24 22:42	1
cis-1,2-Dichloroethene	0.00064	U	0.012	0.00064	mg/Kg			10/14/24 22:42	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 670-115943/9

Matrix: Solid

Analysis Batch: 115943

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
cis-1,3-Dichloropropene	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
Chlorodibromomethane	0.00072	U	0.012	0.00072	mg/Kg			10/14/24 22:42	1
Dibromomethane	0.00086	U	0.012	0.00086	mg/Kg			10/14/24 22:42	1
Dichlorodifluoromethane	0.00062	U	0.012	0.00062	mg/Kg			10/14/24 22:42	1
Ethylbenzene	0.00058	U	0.012	0.00058	mg/Kg			10/14/24 22:42	1
Isopropylbenzene	0.00054	U	0.012	0.00054	mg/Kg			10/14/24 22:42	1
m-Xylene & p-Xylene	0.0011	U	0.020	0.0011	mg/Kg			10/14/24 22:42	1
Methylene Chloride	0.020	U	0.070	0.020	mg/Kg			10/14/24 22:42	1
Methyl tert-butyl ether	0.00063	U	0.012	0.00063	mg/Kg			10/14/24 22:42	1
n-Butylbenzene	0.00090	U	0.012	0.00090	mg/Kg			10/14/24 22:42	1
N-Propylbenzene	0.00063	U	0.012	0.00063	mg/Kg			10/14/24 22:42	1
o-Xylene	0.00056	U	0.020	0.00056	mg/Kg			10/14/24 22:42	1
sec-Butylbenzene	0.00065	U	0.012	0.00065	mg/Kg			10/14/24 22:42	1
Styrene	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
tert-Butylbenzene	0.00070	U	0.012	0.00070	mg/Kg			10/14/24 22:42	1
Tetrachloroethene	0.00067	U	0.012	0.00067	mg/Kg			10/14/24 22:42	1
Toluene	0.0030	U	0.012	0.0030	mg/Kg			10/14/24 22:42	1
trans-1,2-Dichloroethene	0.00069	U	0.012	0.00069	mg/Kg			10/14/24 22:42	1
trans-1,3-Dichloropropene	0.00050	U	0.012	0.00050	mg/Kg			10/14/24 22:42	1
Trichloroethene	0.00060	U	0.012	0.00060	mg/Kg			10/14/24 22:42	1
Trichlorofluoromethane	0.00054	U	0.012	0.00054	mg/Kg			10/14/24 22:42	1
Vinyl chloride	0.00044	U	0.012	0.00044	mg/Kg			10/14/24 22:42	1
Xylenes, Total	0.0011	U	0.020	0.0011	mg/Kg			10/14/24 22:42	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Toluene-d8 (Surr)	97		50 - 150		10/14/24 22:42	1
4-Bromofluorobenzene (Surr)	97		50 - 150		10/14/24 22:42	1
Dibromofluoromethane (Surr)	105		50 - 150		10/14/24 22:42	1

Lab Sample ID: LCS 670-115943/5

Matrix: Solid

Analysis Batch: 115943

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	0.0500	0.0359		mg/Kg		72	45 - 157
1,1,2,2-Tetrachloroethane	0.0500	0.0465		mg/Kg		93	47 - 151
1,1,2-Trichloroethane	0.0500	0.0450		mg/Kg		90	49 - 148
1,1-Dichloroethane	0.0500	0.0374		mg/Kg		75	52 - 148
1,1-Dichloroethene	0.0500	0.0379		mg/Kg		76	22 - 166
1,1-Dichloropropene	0.0500	0.0362		mg/Kg		72	49 - 144
1,2,3-Trichloropropane	0.0500	0.0478		mg/Kg		96	45 - 150
1,2,4-Trimethylbenzene	0.0500	0.0431		mg/Kg		86	57 - 137
Ethylene Dibromide	0.0500	0.0467		mg/Kg		93	52 - 145
1,2-Dichloroethane	0.0500	0.0376	I	mg/Kg		75	39 - 162
1,2-Dichloropropane	0.0500	0.0374		mg/Kg		75	52 - 139
1,3,5-Trimethylbenzene	0.0500	0.0434		mg/Kg		87	57 - 134
1,3-Dichloropropane	0.0500	0.0443		mg/Kg		89	45 - 154

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 670-115943/5**

**Matrix: Solid**

**Analysis Batch: 115943**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec Limits
	Added	Result	Qualifier				
1,3-Dichlorobenzene	0.0500	0.0451		mg/Kg		90	60 - 131
1,4-Dichlorobenzene	0.0500	0.0455		mg/Kg		91	61 - 135
2,2-Dichloropropane	0.0500	0.0350		mg/Kg		70	46 - 150
2-Butanone (MEK)	0.500	0.392		mg/Kg		78	10 - 180
2-Chlorotoluene	0.0500	0.0441		mg/Kg		88	55 - 135
2-Hexanone	0.500	0.447		mg/Kg		89	43 - 177
4-Chlorotoluene	0.0500	0.0442		mg/Kg		88	59 - 135
4-Methyl-2-pentanone (MIBK)	0.500	0.435		mg/Kg		87	31 - 174
Acetone	0.500	0.396		mg/Kg		79	21 - 180
Benzene	0.0500	0.0377		mg/Kg		75	49 - 152
Bromobenzene	0.0500	0.0446		mg/Kg		89	49 - 157
Chlorobromomethane	0.0500	0.0384		mg/Kg		77	47 - 148
Dichlorobromomethane	0.0500	0.0370		mg/Kg		74	45 - 146
Bromoform	0.0500	0.0447		mg/Kg		89	40 - 155
Bromomethane	0.0500	0.0413		mg/Kg		83	10 - 180
Carbon disulfide	0.0500	0.0396		mg/Kg		79	19 - 177
Carbon tetrachloride	0.0500	0.0347		mg/Kg		69	43 - 163
Chlorobenzene	0.0500	0.0420		mg/Kg		84	45 - 147
Chloroethane	0.0500	0.0524		mg/Kg		105	10 - 180
Chloroform	0.0500	0.0356		mg/Kg		71	48 - 148
Chloromethane	0.0500	0.0391		mg/Kg		78	38 - 160
cis-1,2-Dichloroethene	0.0500	0.0369		mg/Kg		74	48 - 137
cis-1,3-Dichloropropene	0.0500	0.0353		mg/Kg		71	54 - 140
Chlorodibromomethane	0.0500	0.0443		mg/Kg		89	44 - 149
Dibromomethane	0.0500	0.0413		mg/Kg		83	46 - 153
Dichlorodifluoromethane	0.0500	0.0298		mg/Kg		60	15 - 180
Ethylbenzene	0.0500	0.0419		mg/Kg		84	54 - 139
Isopropylbenzene	0.0500	0.0419		mg/Kg		84	55 - 137
m-Xylene & p-Xylene	0.0500	0.0412		mg/Kg		82	57 - 138
Methylene Chloride	0.0500	0.0384		mg/Kg		77	28 - 152
Methyl tert-butyl ether	0.0500	0.0373		mg/Kg		75	40 - 153
n-Butylbenzene	0.0500	0.0461		mg/Kg		92	52 - 148
N-Propylbenzene	0.0500	0.0436		mg/Kg		87	54 - 141
o-Xylene	0.0500	0.0422		mg/Kg		84	56 - 133
sec-Butylbenzene	0.0500	0.0450		mg/Kg		90	61 - 134
Styrene	0.0500	0.0415		mg/Kg		83	55 - 139
tert-Butylbenzene	0.0500	0.0450		mg/Kg		90	59 - 134
Tetrachloroethene	0.0500	0.0445		mg/Kg		89	46 - 163
Toluene	0.0500	0.0414		mg/Kg		83	55 - 136
trans-1,2-Dichloroethene	0.0500	0.0379		mg/Kg		76	50 - 138
trans-1,3-Dichloropropene	0.0500	0.0447		mg/Kg		89	52 - 155
Trichloroethene	0.0500	0.0360		mg/Kg		72	51 - 147
Trichlorofluoromethane	0.0500	0.0458		mg/Kg		92	49 - 163
Vinyl chloride	0.0500	0.0445		mg/Kg		89	29 - 158
Xylenes, Total	0.100	0.0834		mg/Kg		83	50 - 150

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	91		50 - 150

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 670-115943/5

Matrix: Solid

Analysis Batch: 115943

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	100		50 - 150
Dibromofluoromethane (Surr)	88		50 - 150

Lab Sample ID: LCSD 670-115943/6

Matrix: Solid

Analysis Batch: 115943

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
1,1,1,2-Tetrachloroethane	0.0500	0.0546	J3	mg/Kg		109	51 - 147	24	23
1,1,1-Trichloroethane	0.0500	0.0509	J3	mg/Kg		102	45 - 157	35	27
1,1,2,2-Tetrachloroethane	0.0500	0.0560		mg/Kg		112	47 - 151	18	27
1,1,2-Trichloroethane	0.0500	0.0550		mg/Kg		110	49 - 148	20	28
1,1-Dichloroethane	0.0500	0.0496		mg/Kg		99	52 - 148	28	37
1,1-Dichloroethene	0.0500	0.0557	J3	mg/Kg		111	22 - 166	38	23
1,1-Dichloropropene	0.0500	0.0516		mg/Kg		103	49 - 144	35	42
1,2,3-Trichloropropane	0.0500	0.0582		mg/Kg		116	45 - 150	20	27
1,2,4-Trimethylbenzene	0.0500	0.0557		mg/Kg		111	57 - 137	26	33
Ethylene Dibromide	0.0500	0.0558		mg/Kg		112	52 - 145	18	36
1,2-Dichloroethane	0.0500	0.0472	I J3	mg/Kg		94	39 - 162	23	20
1,2-Dichloropropane	0.0500	0.0506	J3	mg/Kg		101	52 - 139	30	27
1,3,5-Trimethylbenzene	0.0500	0.0573		mg/Kg		115	57 - 134	28	28
1,3-Dichloropropane	0.0500	0.0542		mg/Kg		108	45 - 154	20	38
1,3-Dichlorobenzene	0.0500	0.0586		mg/Kg		117	60 - 131	26	32
1,4-Dichlorobenzene	0.0500	0.0585		mg/Kg		117	61 - 135	25	33
2,2-Dichloropropane	0.0500	0.0485	J3	mg/Kg		97	46 - 150	32	28
2-Butanone (MEK)	0.500	0.471		mg/Kg		94	10 - 180	18	35
2-Chlorotoluene	0.0500	0.0580	J3	mg/Kg		116	55 - 135	27	26
2-Hexanone	0.500	0.535		mg/Kg		107	43 - 177	18	31
4-Chlorotoluene	0.0500	0.0576		mg/Kg		115	59 - 135	26	29
4-Methyl-2-pentanone (MIBK)	0.500	0.515		mg/Kg		103	31 - 174	17	33
Acetone	0.500	0.467		mg/Kg		93	21 - 180	16	50
Benzene	0.0500	0.0514	J3	mg/Kg		103	49 - 152	31	19
Bromobenzene	0.0500	0.0558		mg/Kg		112	49 - 157	22	33
Chlorobromomethane	0.0500	0.0480		mg/Kg		96	47 - 148	22	33
Dichlorobromomethane	0.0500	0.0479	J3	mg/Kg		96	45 - 146	26	21
Bromoform	0.0500	0.0536		mg/Kg		107	40 - 155	18	27
Bromomethane	0.0500	0.0362		mg/Kg		72	10 - 180	13	34
Carbon disulfide	0.0500	0.0577		mg/Kg		115	19 - 177	37	43
Carbon tetrachloride	0.0500	0.0502	J3	mg/Kg		100	43 - 163	36	20
Chlorobenzene	0.0500	0.0554	J3	mg/Kg		111	45 - 147	28	18
Chloroethane	0.0500	0.0428		mg/Kg		86	10 - 180	20	49
Chloroform	0.0500	0.0476		mg/Kg		95	48 - 148	29	29
Chloromethane	0.0500	0.0233	J3	mg/Kg		47	38 - 160	51	30
cis-1,2-Dichloroethene	0.0500	0.0499	J3	mg/Kg		100	48 - 137	30	20
cis-1,3-Dichloropropene	0.0500	0.0457		mg/Kg		91	54 - 140	26	27
Chlorodibromomethane	0.0500	0.0551		mg/Kg		110	44 - 149	22	25
Dibromomethane	0.0500	0.0507		mg/Kg		101	46 - 153	20	26
Dichlorodifluoromethane	0.0500	0.0230		mg/Kg		46	15 - 180	26	44

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 670-115943/6

Matrix: Solid

Analysis Batch: 115943

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene	0.0500	0.0568		mg/Kg		114	54 - 139	30	33
Isopropylbenzene	0.0500	0.0565	J3	mg/Kg		113	55 - 137	30	28
m-Xylene & p-Xylene	0.0500	0.0568	J3	mg/Kg		114	57 - 138	32	31
Methylene Chloride	0.0500	0.0497	I	mg/Kg		99	28 - 152	26	50
Methyl tert-butyl ether	0.0500	0.0453		mg/Kg		91	40 - 153	19	42
n-Butylbenzene	0.0500	0.0598		mg/Kg		120	52 - 148	26	31
N-Propylbenzene	0.0500	0.0585		mg/Kg		117	54 - 141	29	32
o-Xylene	0.0500	0.0548		mg/Kg		110	56 - 133	26	29
sec-Butylbenzene	0.0500	0.0589		mg/Kg		118	61 - 134	27	27
Styrene	0.0500	0.0541		mg/Kg		108	55 - 139	26	31
tert-Butylbenzene	0.0500	0.0585	J3	mg/Kg		117	59 - 134	26	25
Tetrachloroethene	0.0500	0.0611	J3	mg/Kg		122	46 - 163	31	26
Toluene	0.0500	0.0550	J3	mg/Kg		110	55 - 136	28	21
trans-1,2-Dichloroethene	0.0500	0.0526	J3	mg/Kg		105	50 - 138	33	29
trans-1,3-Dichloropropene	0.0500	0.0557	J3	mg/Kg		111	52 - 155	22	21
Trichloroethene	0.0500	0.0503	J3	mg/Kg		101	51 - 147	33	26
Trichlorofluoromethane	0.0500	0.0378		mg/Kg		76	49 - 163	19	42
Vinyl chloride	0.0500	0.0359		mg/Kg		72	29 - 158	21	23
Xylenes, Total	0.100	0.112		mg/Kg		112	50 - 150	29	30

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Toluene-d8 (Surr)	91		50 - 150
4-Bromofluorobenzene (Surr)	100		50 - 150
Dibromofluoromethane (Surr)	87		50 - 150

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

Lab Sample ID: MB 670-115402/1-A

Matrix: Solid

Analysis Batch: 115795

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115402

Analyte	MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	0.095	U	0.33	0.095	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2,4,6-Trichlorophenol	0.081	U	0.33	0.081	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2,4-Dichlorophenol	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2,4-Dimethylphenol	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2,4-Dinitrophenol	0.034	U	0.33	0.034	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2,4-Dinitrotoluene	0.098	U	0.33	0.098	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2,6-Dinitrotoluene	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2-Chloronaphthalene	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2-Chlorophenol	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
4,6-Dinitro-2-methylphenol	0.065	U	0.33	0.065	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2-Methylnaphthalene	0.10	U	0.33	0.10	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2-Methylphenol	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
2-Nitrophenol	0.099	U	0.33	0.099	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
3 & 4 Methylphenol	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
3,3'-Dichlorobenzidine	0.22	U	0.33	0.22	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
4-Bromophenyl phenyl ether	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
4-Chloro-3-methylphenol	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

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

Lab Sample ID: MB 670-115402/1-A

Matrix: Solid

Analysis Batch: 115795

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115402

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
4-Nitrophenol	0.083	U	0.33	0.083	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Acenaphthene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Acenaphthylene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Anthracene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Benzo[a]anthracene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Benzo[a]pyrene	0.0797	I	0.33	0.076	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Benzo[b]fluoranthene	0.10	U	0.33	0.10	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Benzo[g,h,i]perylene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Benzo[k]fluoranthene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Bis(2-chloroethoxy)methane	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Bis(2-chloroethyl)ether	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
bis (2-chloroisopropyl) ether	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Bis(2-ethylhexyl) phthalate	0.073	U	0.33	0.073	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Butyl benzyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Chrysene	0.13	U	0.33	0.13	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Dibenz(a,h)anthracene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Diethyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Dimethyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Di-n-butyl phthalate	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Di-n-octyl phthalate	0.093	U	0.33	0.093	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Fluoranthene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Fluorene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Hexachlorobenzene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Hexachlorobutadiene	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Hexachlorocyclopentadiene	0.088	U	0.33	0.088	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Hexachloroethane	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Indeno[1,2,3-cd]pyrene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Isophorone	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Naphthalene	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Nitrobenzene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
N-Nitrosodi-n-propylamine	0.10	U	0.33	0.10	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Pentachlorophenol	0.050	U	0.33	0.050	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Phenol	0.13	U	0.33	0.13	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Pyrene	0.12	U	0.33	0.12	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
Diphenylamine	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1
N-Nitrosodiphenylamine	0.11	U	0.33	0.11	mg/Kg		10/09/24 05:49	10/14/24 10:14	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	122		45 - 130	10/09/24 05:49	10/14/24 10:14	1
2-Fluorobiphenyl	102		55 - 130	10/09/24 05:49	10/14/24 10:14	1
p-Terphenyl-d14 (Surr)	105		41 - 174	10/09/24 05:49	10/14/24 10:14	1
Phenol-d5 (Surr)	106		31 - 132	10/09/24 05:49	10/14/24 10:14	1
2-Fluorophenol (Surr)	106		38 - 141	10/09/24 05:49	10/14/24 10:14	1
2,4,6-Tribromophenol (Surr)	108		30 - 140	10/09/24 05:49	10/14/24 10:14	1

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

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

**Lab Sample ID: LCS 670-115402/2-A**

**Matrix: Solid**

**Analysis Batch: 115795**

**Client Sample ID: Lab Control Sample**

**Prep Type: Total/NA**

**Prep Batch: 115402**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,5-Trichlorophenol	2.67	2.32		mg/Kg		87	51 - 145
2,4,6-Trichlorophenol	2.67	2.48		mg/Kg		93	47 - 146
2,4-Dichlorophenol	2.67	2.58		mg/Kg		97	39 - 143
2,4-Dimethylphenol	2.67	2.87		mg/Kg		108	35 - 140
2,4-Dinitrophenol	2.67	1.48		mg/Kg		56	30 - 140
2,4-Dinitrotoluene	2.67	2.88		mg/Kg		108	57 - 148
2,6-Dinitrotoluene	2.67	2.85		mg/Kg		107	57 - 148
2-Chloronaphthalene	2.67	2.49		mg/Kg		93	41 - 144
2-Chlorophenol	2.67	2.73		mg/Kg		102	35 - 145
4,6-Dinitro-2-methylphenol	2.67	2.19		mg/Kg		82	44 - 168
2-Methylnaphthalene	2.67	2.34		mg/Kg		88	37 - 142
2-Methylphenol	2.67	2.83		mg/Kg		106	32 - 142
2-Nitrophenol	2.67	2.65		mg/Kg		99	42 - 116
3 & 4 Methylphenol	2.67	2.84		mg/Kg		106	40 - 122
3,3'-Dichlorobenzidine	2.67	2.92		mg/Kg		109	39 - 132
4-Bromophenyl phenyl ether	2.67	2.76		mg/Kg		103	56 - 147
4-Chloro-3-methylphenol	2.67	2.64		mg/Kg		99	43 - 146
4-Chlorophenyl phenyl ether	2.67	2.59		mg/Kg		97	54 - 149
4-Nitrophenol	2.67	4.16		mg/Kg		156	24 - 212
Acenaphthene	2.67	2.79		mg/Kg		105	52 - 131
Acenaphthylene	2.67	2.95		mg/Kg		111	49 - 146
Anthracene	2.67	2.96		mg/Kg		111	63 - 130
Benzo[a]anthracene	2.67	2.79		mg/Kg		105	55 - 152
Benzo[a]pyrene	2.67	2.82		mg/Kg		106	66 - 137
Benzo[b]fluoranthene	2.67	2.72		mg/Kg		102	62 - 137
Benzo[g,h,i]perylene	2.67	2.97		mg/Kg		111	43 - 152
Benzo[k]fluoranthene	2.67	2.83		mg/Kg		106	61 - 143
Bis(2-chloroethoxy)methane	2.67	3.15		mg/Kg		118	36 - 134
Bis(2-chloroethyl)ether	2.67	2.56		mg/Kg		96	29 - 147
bis (2-chloroisopropyl) ether	2.67	5.68	J3	mg/Kg		213	15 - 159
Bis(2-ethylhexyl) phthalate	2.67	3.10		mg/Kg		116	55 - 160
Butyl benzyl phthalate	2.67	3.11		mg/Kg		116	46 - 168
Chrysene	2.67	2.75		mg/Kg		103	51 - 150
Dibenz(a,h)anthracene	2.67	3.04		mg/Kg		114	43 - 153
Diethyl phthalate	2.67	2.79		mg/Kg		105	59 - 152
Dimethyl phthalate	2.67	2.75		mg/Kg		103	57 - 137
Di-n-butyl phthalate	2.67	2.98		mg/Kg		112	62 - 150
Di-n-octyl phthalate	2.67	3.06		mg/Kg		115	54 - 181
Fluoranthene	2.67	2.84		mg/Kg		106	64 - 150
Fluorene	2.67	2.75		mg/Kg		103	60 - 150
Hexachlorobenzene	2.67	2.55		mg/Kg		95	54 - 134
Hexachlorobutadiene	2.67	2.20		mg/Kg		83	30 - 140
Hexachlorocyclopentadiene	2.67	3.02		mg/Kg		113	10 - 154
Hexachloroethane	2.67	2.66		mg/Kg		100	31 - 122
Indeno[1,2,3-cd]pyrene	2.67	3.47		mg/Kg		130	42 - 142
Isophorone	2.67	3.24		mg/Kg		122	29 - 142
Naphthalene	2.67	2.64		mg/Kg		99	39 - 145
Nitrobenzene	2.67	3.26		mg/Kg		122	36 - 137

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

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

Lab Sample ID: LCS 670-115402/2-A

Matrix: Solid

Analysis Batch: 115795

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115402

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
N-Nitrosodi-n-propylamine	2.67	3.62		mg/Kg		136	43 - 150
Pentachlorophenol	2.67	2.51		mg/Kg		94	26 - 153
Phenol	2.67	2.91		mg/Kg		109	36 - 126
Pyrene	2.67	2.80		mg/Kg		105	61 - 157
Diphenylamine	2.67	2.92		mg/Kg		109	48 - 128
N-Nitrosodiphenylamine	2.67	2.92		mg/Kg		109	48 - 128

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	133	J1	45 - 130
2-Fluorobiphenyl	107		55 - 130
p-Terphenyl-d14 (Surr)	112		41 - 174
Phenol-d5 (Surr)	121		31 - 132
2-Fluorophenol (Surr)	120		38 - 141
2,4,6-Tribromophenol (Surr)	121		30 - 140

Lab Sample ID: 670-48952-1 MS

Matrix: Solid

Analysis Batch: 115795

Client Sample ID: SB-1 (10-12')

Prep Type: Total/NA

Prep Batch: 115402

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
				Result	Qualifier				
2,4,5-Trichlorophenol	0.11	U J3	3.03	1.24	J3	mg/Kg	✱	41	51 - 145
2,4,6-Trichlorophenol	0.092	U J3	3.03	1.22	J3	mg/Kg	✱	40	47 - 146
2,4-Dichlorophenol	0.12	U J3	3.03	1.14	J3	mg/Kg	✱	38	39 - 143
2,4-Dimethylphenol	0.12	U J3	3.03	1.33		mg/Kg	✱	44	35 - 140
2,4-Dinitrophenol	0.039	U J3	3.03	0.870	J3	mg/Kg	✱	29	30 - 140
2,4-Dinitrotoluene	0.11	U J3	3.03	1.33	J3	mg/Kg	✱	44	57 - 148
2,6-Dinitrotoluene	0.12	U J3	3.03	1.43	J3	mg/Kg	✱	47	57 - 148
2-Chloronaphthalene	0.13	U J3	3.03	1.13	J3	mg/Kg	✱	37	41 - 144
2-Chlorophenol	0.14	U J3	3.03	0.928	J3	mg/Kg	✱	31	35 - 145
4,6-Dinitro-2-methylphenol	0.074	U J3	3.03	0.978	J3	mg/Kg	✱	32	44 - 168
2-Methylnaphthalene	0.12	U J3	3.03	0.926	J3	mg/Kg	✱	31	37 - 142
2-Methylphenol	0.13	U J3	3.03	1.08		mg/Kg	✱	36	32 - 142
2-Nitrophenol	0.11	U J3	3.03	0.903	J3	mg/Kg	✱	30	42 - 116
3 & 4 Methylphenol	0.13	U J3	3.03	1.14	J3	mg/Kg	✱	38	40 - 122
3,3'-Dichlorobenzidine	0.25	U J3	3.03	1.39		mg/Kg	✱	46	39 - 132
4-Bromophenyl phenyl ether	0.13	U J3	3.03	1.46	J3	mg/Kg	✱	48	56 - 147
4-Chloro-3-methylphenol	0.12	U J3	3.03	1.31		mg/Kg	✱	43	43 - 146
4-Chlorophenyl phenyl ether	0.13	U J3	3.03	1.28	J3	mg/Kg	✱	42	54 - 149
4-Nitrophenol	0.094	U J3	3.03	1.87		mg/Kg	✱	62	24 - 212
Acenaphthene	0.13	U J3	3.03	1.29	J3	mg/Kg	✱	43	52 - 131
Acenaphthylene	0.14	U J3	3.03	1.33	J3	mg/Kg	✱	44	49 - 146
Anthracene	0.13	U J3	3.03	1.62	J3	mg/Kg	✱	54	63 - 130
Benzo[a]anthracene	0.14	U J3	3.03	1.72	J3	mg/Kg	✱	57	62 - 152
Benzo[a]pyrene	0.12	I J3 V	3.03	1.69	J3	mg/Kg	✱	52	66 - 137
Benzo[b]fluoranthene	0.11	I J3	3.03	1.67	J3	mg/Kg	✱	51	66 - 137
Benzo[g,h,i]perylene	0.13	U J3	3.03	1.62		mg/Kg	✱	54	43 - 152
Benzo[k]fluoranthene	0.14	U J3	3.03	1.69	J3	mg/Kg	✱	56	70 - 143
Bis(2-chloroethoxy)methane	0.12	U J3	3.03	1.28		mg/Kg	✱	42	36 - 134

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

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

Lab Sample ID: 670-48952-1 MS

Matrix: Solid

Analysis Batch: 115795

Client Sample ID: SB-1 (10-12')

Prep Type: Total/NA

Prep Batch: 115402

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec
	Result	Qualifier	Added	Result	Qualifier				
Bis(2-chloroethyl)ether	0.13	U J3	3.03	0.665	J3	mg/Kg	☼	22	29 - 147
bis (2-chloroisopropyl) ether	0.13	U J3	3.03	1.87		mg/Kg	☼	62	15 - 159
Bis(2-ethylhexyl) phthalate	0.083	U J3	3.03	1.86	J3	mg/Kg	☼	61	72 - 160
Butyl benzyl phthalate	0.12	U J3	3.03	1.97		mg/Kg	☼	65	46 - 168
Chrysene	0.15	U J3	3.03	1.67	J3	mg/Kg	☼	55	64 - 150
Dibenz(a,h)anthracene	0.13	U J3	3.03	1.67		mg/Kg	☼	55	43 - 153
Diethyl phthalate	0.12	U J3	3.03	1.45	J3	mg/Kg	☼	48	59 - 152
Dimethyl phthalate	0.13	U J3	3.03	1.45	J3	mg/Kg	☼	48	57 - 137
Di-n-butyl phthalate	0.12	U J3	3.03	1.73	J3	mg/Kg	☼	57	62 - 150
Di-n-octyl phthalate	0.11	U J3	3.03	1.75		mg/Kg	☼	58	54 - 181
Fluoranthene	0.14	U J3	3.03	1.55	J3	mg/Kg	☼	51	64 - 150
Fluorene	0.13	U J3	3.03	1.39	J3	mg/Kg	☼	46	60 - 150
Hexachlorobenzene	0.13	U J3	3.03	1.37	J3	mg/Kg	☼	45	54 - 134
Hexachlorobutadiene	0.12	U J3	3.03	0.599	J3	mg/Kg	☼	20	30 - 140
Hexachlorocyclopentadiene	0.10	U J3	3.03	0.988		mg/Kg	☼	33	10 - 154
Hexachloroethane	0.12	U J3	3.03	0.383	J3	mg/Kg	☼	13	31 - 142
Indeno[1,2,3-cd]pyrene	0.13	U J3	3.03	1.89		mg/Kg	☼	63	42 - 142
Isophorone	0.12	U J3	3.03	1.37		mg/Kg	☼	45	29 - 142
Naphthalene	0.13	U J3	3.03	0.824	J3	mg/Kg	☼	27	39 - 125
Nitrobenzene	0.13	U J3	3.03	1.13		mg/Kg	☼	37	36 - 137
N-Nitrosodi-n-propylamine	0.12	U J3	3.03	1.42		mg/Kg	☼	47	43 - 150
Pentachlorophenol	0.057	U J3	3.03	0.874		mg/Kg	☼	29	26 - 153
Phenol	0.14	U J3	3.03	1.00	J3	mg/Kg	☼	33	36 - 146
Pyrene	0.14	U J3	3.03	1.54	J3	mg/Kg	☼	51	61 - 157
Diphenylamine	0.13	U J3	3.03	1.44	J3	mg/Kg	☼	47	48 - 148
N-Nitrosodiphenylamine	0.13	U J3	3.03	1.44	J3	mg/Kg	☼	47	48 - 148

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	39	J1	45 - 130
2-Fluorobiphenyl	42	J1	55 - 130
p-Terphenyl-d14 (Surr)	50		41 - 174
Phenol-d5 (Surr)	38		31 - 132
2-Fluorophenol (Surr)	30	J1	38 - 141
2,4,6-Tribromophenol (Surr)	55		30 - 140

Lab Sample ID: 670-48952-1 MSD

Matrix: Solid

Analysis Batch: 115795

Client Sample ID: SB-1 (10-12')

Prep Type: Total/NA

Prep Batch: 115402

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						
2,4,5-Trichlorophenol	0.11	U J3	3.03	2.65	J3	mg/Kg	☼	88	51 - 145	73	31
2,4,6-Trichlorophenol	0.092	U J3	3.03	2.36	J3	mg/Kg	☼	78	47 - 146	64	28
2,4-Dichlorophenol	0.12	U J3	3.03	2.45	J3	mg/Kg	☼	81	39 - 143	73	28
2,4-Dimethylphenol	0.12	U J3	3.03	2.78	J3	mg/Kg	☼	92	35 - 140	71	28
2,4-Dinitrophenol	0.039	U J3	3.03	1.84	J3	mg/Kg	☼	61	30 - 140	71	50
2,4-Dinitrotoluene	0.11	U J3	3.03	2.78	J3	mg/Kg	☼	92	57 - 148	70	16
2,6-Dinitrotoluene	0.12	U J3	3.03	2.77	J3	mg/Kg	☼	91	57 - 148	63	24
2-Chloronaphthalene	0.13	U J3	3.03	2.38	J3	mg/Kg	☼	78	41 - 144	71	36

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

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

Lab Sample ID: 670-48952-1 MSD

Client Sample ID: SB-1 (10-12')

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 115795

Prep Batch: 115402

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec	RPD	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits			
2-Chlorophenol	0.14	U J3	3.03	2.47	J3	mg/Kg	✖	81	35 - 145	91	27	
4,6-Dinitro-2-methylphenol	0.074	U J3	3.03	2.56	J3	mg/Kg	✖	85	44 - 168	89	42	
2-Methylnaphthalene	0.12	U J3	3.03	2.18	J3	mg/Kg	✖	72	37 - 142	81	29	
2-Methylphenol	0.13	U J3	3.03	2.60	J3	mg/Kg	✖	86	32 - 142	83	29	
2-Nitrophenol	0.11	U J3	3.03	2.49	J3	mg/Kg	✖	82	42 - 116	93	26	
3 & 4 Methylphenol	0.13	U J3	3.03	2.72	J3	mg/Kg	✖	90	40 - 122	82	29	
3,3'-Dichlorobenzidine	0.25	U J3	3.03	2.83	J3	mg/Kg	✖	93	39 - 132	68	23	
4-Bromophenyl phenyl ether	0.13	U J3	3.03	2.81	J3	mg/Kg	✖	93	56 - 147	63	30	
4-Chloro-3-methylphenol	0.12	U J3	3.03	2.65	J3	mg/Kg	✖	88	43 - 146	68	28	
4-Chlorophenyl phenyl ether	0.13	U J3	3.03	2.44	J3	mg/Kg	✖	81	54 - 149	62	28	
4-Nitrophenol	0.094	U J3	3.03	3.56	J3	mg/Kg	✖	118	24 - 212	62	35	
Acenaphthene	0.13	U J3	3.03	2.61	J3	mg/Kg	✖	86	52 - 131	67	27	
Acenaphthylene	0.14	U J3	3.03	2.74	J3	mg/Kg	✖	90	49 - 146	69	33	
Anthracene	0.13	U J3	3.03	3.01	J3	mg/Kg	✖	99	63 - 130	60	29	
Benzo[a]anthracene	0.14	U J3	3.03	2.81	J3	mg/Kg	✖	93	62 - 152	48	26	
Benzo[a]pyrene	0.12	I J3 V	3.03	2.76	J3	mg/Kg	✖	87	66 - 137	48	28	
Benzo[b]fluoranthene	0.11	I J3	3.03	2.73	J3	mg/Kg	✖	87	66 - 137	48	19	
Benzo[g,h,i]perylene	0.13	U J3	3.03	2.76	J3	mg/Kg	✖	91	43 - 152	52	33	
Benzo[k]fluoranthene	0.14	U J3	3.03	2.75	J3	mg/Kg	✖	91	70 - 143	48	28	
Bis(2-chloroethoxy)methane	0.12	U J3	3.03	2.88	J3	mg/Kg	✖	95	36 - 134	77	27	
Bis(2-chloroethyl)ether	0.13	U J3	3.03	2.36	J3	mg/Kg	✖	78	29 - 147	112	31	
bis (2-chloroisopropyl) ether	0.13	U J3	3.03	5.52	J3	mg/Kg	✖	182	15 - 159	99	29	
Bis(2-ethylhexyl) phthalate	0.083	U J3	3.03	3.07	J3	mg/Kg	✖	101	72 - 160	49	22	
Butyl benzyl phthalate	0.12	U J3	3.03	3.18	J3	mg/Kg	✖	105	46 - 168	47	24	
Chrysene	0.15	U J3	3.03	2.79	J3	mg/Kg	✖	92	64 - 150	50	22	
Dibenz(a,h)anthracene	0.13	U J3	3.03	2.80	J3	mg/Kg	✖	92	43 - 153	50	36	
Diethyl phthalate	0.12	U J3	3.03	2.67	J3	mg/Kg	✖	88	59 - 152	59	25	
Dimethyl phthalate	0.13	U J3	3.03	2.63	J3	mg/Kg	✖	87	57 - 137	58	35	
Di-n-butyl phthalate	0.12	U J3	3.03	3.01	J3	mg/Kg	✖	99	62 - 150	54	24	
Di-n-octyl phthalate	0.11	U J3	3.03	3.00	J3	mg/Kg	✖	99	54 - 181	52	21	
Fluoranthene	0.14	U J3	3.03	2.76	J3	mg/Kg	✖	91	64 - 150	56	22	
Fluorene	0.13	U J3	3.03	2.65	J3	mg/Kg	✖	87	60 - 150	62	32	
Hexachlorobenzene	0.13	U J3	3.03	2.52	J3	mg/Kg	✖	83	54 - 134	60	30	
Hexachlorobutadiene	0.12	U J3	3.03	2.07	J3	mg/Kg	✖	69	30 - 140	110	35	
Hexachlorocyclopentadiene	0.10	U J3	3.03	2.72	J3	mg/Kg	✖	90	10 - 154	93	24	
Hexachloroethane	0.12	U J3	3.03	2.35	J3	mg/Kg	✖	78	31 - 142	144	37	
Indeno[1,2,3-cd]pyrene	0.13	U J3	3.03	3.25	J3	mg/Kg	✖	107	42 - 142	53	33	
Isophorone	0.12	U J3	3.03	3.07	J3	mg/Kg	✖	101	29 - 142	76	27	
Naphthalene	0.13	U J3	3.03	2.39	J3	mg/Kg	✖	79	39 - 125	97	28	
Nitrobenzene	0.13	U J3	3.03	3.07	J3	mg/Kg	✖	101	36 - 137	92	22	
N-Nitrosodi-n-propylamine	0.12	U J3	3.03	3.25	J3	mg/Kg	✖	107	43 - 150	78	24	
Pentachlorophenol	0.057	U J3	3.03	2.07	J3	mg/Kg	✖	68	26 - 153	81	26	
Phenol	0.14	U J3	3.03	2.96	J3	mg/Kg	✖	98	36 - 146	99	32	
Pyrene	0.14	U J3	3.03	2.72	J3	mg/Kg	✖	90	61 - 157	55	28	
Diphenylamine	0.13	U J3	3.03	3.02	J3	mg/Kg	✖	100	48 - 148	71	30	
N-Nitrosodiphenylamine	0.13	U J3	3.03	3.02	J3	mg/Kg	✖	100	48 - 148	71	30	

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

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

**Lab Sample ID: 670-48952-1 MSD**  
**Matrix: Solid**  
**Analysis Batch: 115795**

**Client Sample ID: SB-1 (10-12')**  
**Prep Type: Total/NA**  
**Prep Batch: 115402**

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	110		45 - 130
2-Fluorobiphenyl	88		55 - 130
p-Terphenyl-d14 (Surr)	90		41 - 174
Phenol-d5 (Surr)	97		31 - 132
2-Fluorophenol (Surr)	93		38 - 141
2,4,6-Tribromophenol (Surr)	105		30 - 140

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

**Lab Sample ID: MB 670-114899/1-A**  
**Matrix: Solid**  
**Analysis Batch: 114929**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 114899**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1-Methylnaphthalene	0.00077	U	0.0033	0.00077	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
2-Methylnaphthalene	0.0011	U	0.0033	0.0011	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Acenaphthene	0.00065	U	0.0033	0.00065	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Acenaphthylene	0.0013	U	0.0033	0.0013	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Anthracene	0.0011	U	0.0033	0.0011	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Benzo[a]anthracene	0.0062	U	0.010	0.0062	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Benzo[a]pyrene	0.0013	U	0.0033	0.0013	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Benzo[b]fluoranthene	0.0039	U	0.010	0.0039	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Benzo[g,h,i]perylene	0.0022	U	0.0033	0.0022	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Benzo[k]fluoranthene	0.0017	U	0.0033	0.0017	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Chrysene	0.0077	U	0.010	0.0077	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Dibenz(a,h)anthracene	0.0023	U	0.0033	0.0023	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Fluoranthene	0.0017	U	0.0033	0.0017	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Fluorene	0.00069	U	0.0033	0.00069	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Indeno[1,2,3-cd]pyrene	0.0023	U	0.0033	0.0023	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Naphthalene	0.00088	U	0.0033	0.00088	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Phenanthrene	0.00080	U	0.0033	0.00080	mg/Kg		10/07/24 08:38	10/07/24 13:33	1
Pyrene	0.0041	U	0.010	0.0041	mg/Kg		10/07/24 08:38	10/07/24 13:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2-methylnaphthalene-d10	63		27 - 148	10/07/24 08:38	10/07/24 13:33	1
Fluoranthene-d10 (Surr)	43		37 - 150	10/07/24 08:38	10/07/24 13:33	1

**Lab Sample ID: LCS 670-114899/2-A**  
**Matrix: Solid**  
**Analysis Batch: 114929**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 114899**

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1-Methylnaphthalene	0.0133	0.00877		mg/Kg		66	32 - 146
2-Methylnaphthalene	0.0133	0.00840		mg/Kg		63	33 - 137
Acenaphthene	0.0133	0.00846		mg/Kg		64	43 - 138
Acenaphthylene	0.0133	0.00887		mg/Kg		67	38 - 138
Anthracene	0.0133	0.0118		mg/Kg		89	58 - 137
Benzo[a]anthracene	0.0133	0.0121		mg/Kg		91	62 - 135

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

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

Lab Sample ID: LCS 670-114899/2-A

Matrix: Solid

Analysis Batch: 114929

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 114899

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Benzo[a]pyrene	0.0133	0.0110		mg/Kg		82	56 - 141
Benzo[b]fluoranthene	0.0133	0.0123		mg/Kg		92	61 - 138
Benzo[g,h,i]perylene	0.0133	0.00992		mg/Kg		75	58 - 132
Benzo[k]fluoranthene	0.0133	0.0107		mg/Kg		80	61 - 141
Chrysene	0.0133	0.0111		mg/Kg		83	62 - 132
Dibenz(a,h)anthracene	0.0133	0.0107		mg/Kg		81	60 - 138
Fluoranthene	0.0133	0.0124		mg/Kg		94	65 - 140
Fluorene	0.0133	0.00990		mg/Kg		74	46 - 131
Indeno[1,2,3-cd]pyrene	0.0133	0.00990		mg/Kg		74	61 - 136
Naphthalene	0.0133	0.00713		mg/Kg		54	37 - 140
Phenanthrene	0.0133	0.00985		mg/Kg		74	52 - 140
Pyrene	0.0133	0.0113		mg/Kg		85	63 - 138

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2-methylnaphthalene-d10	85		27 - 148
Fluoranthene-d10 (Surr)	114		37 - 150

## Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Lab Sample ID: MB 670-115045/1-A

Matrix: Solid

Analysis Batch: 115167

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 115045

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Petroleum Hydrocarbons (C8-C40)	21	U	41	21	mg/Kg		10/07/24 15:05	10/08/24 08:12	1
Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac			
%Recovery	Qualifier								
o-terphenyl (Surr)	104		66 - 136	10/07/24 15:05	10/08/24 08:12	1			
C35 (Surr)	96		36 - 132	10/07/24 15:05	10/08/24 08:12	1			

Lab Sample ID: LCS 670-115045/2-A

Matrix: Solid

Analysis Batch: 115167

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 115045

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Petroleum Hydrocarbons (C8-C40)	111	107		mg/Kg		97	55 - 130
Surrogate	LCS LCS		Limits				
%Recovery	Qualifier						
o-terphenyl (Surr)	108		66 - 136				
C35 (Surr)	93		36 - 132				

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Method: 6010D - Metals (ICP)

Lab Sample ID: MB 670-115990/3-A  
Matrix: Solid  
Analysis Batch: 116263

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 115990

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Arsenic	0.31	U	1.0	0.31	mg/Kg		10/15/24 08:19	10/15/24 15:14	1
Cadmium	0.13	U	0.40	0.13	mg/Kg		10/15/24 08:19	10/15/24 15:14	1
Chromium	0.33	U	0.50	0.33	mg/Kg		10/15/24 08:19	10/15/24 15:14	1
Lead	0.36	U	2.0	0.36	mg/Kg		10/15/24 08:19	10/15/24 15:14	1

Lab Sample ID: LCS 670-115990/1-A  
Matrix: Solid  
Analysis Batch: 116263

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 115990

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Cadmium	10.0	11.0		mg/Kg		110	80 - 120
Chromium	10.0	11.0		mg/Kg		110	80 - 120
Lead	10.0	11.1		mg/Kg		111	80 - 120

Lab Sample ID: LCSD 670-115990/2-A  
Matrix: Solid  
Analysis Batch: 116263

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 115990

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Arsenic	10.0	11.2		mg/Kg		112	80 - 120	2	20
Cadmium	10.0	11.0		mg/Kg		110	80 - 120	0	20
Chromium	10.0	11.0		mg/Kg		110	80 - 120	0	20
Lead	10.0	11.2		mg/Kg		112	80 - 120	1	20

## Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-115015/3-A  
Matrix: Solid  
Analysis Batch: 115238

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 115015

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.016	U	0.20	0.016	mg/Kg		10/07/24 12:32	10/07/24 18:54	1

Lab Sample ID: LCS 670-115015/1-A  
Matrix: Solid  
Analysis Batch: 115238

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 115015

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

Lab Sample ID: LCSD 670-115015/2-A  
Matrix: Solid  
Analysis Batch: 115238

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 115015

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Lead	10.0	9.52		mg/Kg		95	80 - 120	1	20

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## GC/MS VOA

### Leach Batch: 114303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 670-114303/1-A	Method Blank	Total/NA	Water	1311	

### Analysis Batch: 114934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-5	Rinsate Blank	Total/NA	Water	8260D	
670-48952-6	Field Blank	Total/NA	Water	8260D	
670-48952-7	Trip Blank	Total/NA	Water	8260D	
LB 670-114303/1-A	Method Blank	Total/NA	Water	8260D	114303
MB 670-114934/7	Method Blank	Total/NA	Water	8260D	
LCS 670-114934/4	Lab Control Sample	Total/NA	Water	8260D	

### Prep Batch: 115049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	5035	
670-48952-2	SB-2 (4-6')	Total/NA	Solid	5035	
670-48952-3	SB-3 (4-6')	Total/NA	Solid	5035	
670-48952-4	IDW	Total/NA	Solid	5035	

### Analysis Batch: 115176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-5 - DL	Rinsate Blank	Total/NA	Water	8260D	
670-48952-6 - DL	Field Blank	Total/NA	Water	8260D	
MB 670-115176/7	Method Blank	Total/NA	Water	8260D	
LCS 670-115176/4	Lab Control Sample	Total/NA	Water	8260D	

### Analysis Batch: 115943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	8260D	115049
670-48952-2	SB-2 (4-6')	Total/NA	Solid	8260D	115049
670-48952-3	SB-3 (4-6')	Total/NA	Solid	8260D	115049
670-48952-4	IDW	Total/NA	Solid	8260D	115049
MB 670-115943/9	Method Blank	Total/NA	Solid	8260D	
LCS 670-115943/5	Lab Control Sample	Total/NA	Solid	8260D	
LCSD 670-115943/6	Lab Control Sample Dup	Total/NA	Solid	8260D	

## GC/MS Semi VOA

### Prep Batch: 114899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	3546	
670-48952-2 - DL	SB-2 (4-6')	Total/NA	Solid	3546	
670-48952-2	SB-2 (4-6')	Total/NA	Solid	3546	
670-48952-3	SB-3 (4-6')	Total/NA	Solid	3546	
MB 670-114899/1-A	Method Blank	Total/NA	Solid	3546	
LCS 670-114899/2-A	Lab Control Sample	Total/NA	Solid	3546	

### Analysis Batch: 114929

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	8270E SIM	114899
670-48952-2	SB-2 (4-6')	Total/NA	Solid	8270E SIM	114899
670-48952-3	SB-3 (4-6')	Total/NA	Solid	8270E SIM	114899

Eurofins Orlando

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## GC/MS Semi VOA (Continued)

### Analysis Batch: 114929 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-114899/1-A	Method Blank	Total/NA	Solid	8270E SIM	114899
LCS 670-114899/2-A	Lab Control Sample	Total/NA	Solid	8270E SIM	114899

### Prep Batch: 115402

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	3546	
670-48952-2	SB-2 (4-6')	Total/NA	Solid	3546	
670-48952-3	SB-3 (4-6')	Total/NA	Solid	3546	
MB 670-115402/1-A	Method Blank	Total/NA	Solid	3546	
LCS 670-115402/2-A	Lab Control Sample	Total/NA	Solid	3546	
670-48952-1 MS	SB-1 (10-12')	Total/NA	Solid	3546	
670-48952-1 MSD	SB-1 (10-12')	Total/NA	Solid	3546	

### Analysis Batch: 115556

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-2 - DL	SB-2 (4-6')	Total/NA	Solid	8270E SIM	114899

### Analysis Batch: 115795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	8270E	115402
670-48952-2	SB-2 (4-6')	Total/NA	Solid	8270E	115402
670-48952-3	SB-3 (4-6')	Total/NA	Solid	8270E	115402
MB 670-115402/1-A	Method Blank	Total/NA	Solid	8270E	115402
LCS 670-115402/2-A	Lab Control Sample	Total/NA	Solid	8270E	115402
670-48952-1 MS	SB-1 (10-12')	Total/NA	Solid	8270E	115402
670-48952-1 MSD	SB-1 (10-12')	Total/NA	Solid	8270E	115402

## GC Semi VOA

### Analysis Batch: 114641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	FL-PRO	115045
670-48952-2	SB-2 (4-6')	Total/NA	Solid	FL-PRO	115045

### Prep Batch: 115045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	3546	
670-48952-2	SB-2 (4-6')	Total/NA	Solid	3546	
670-48952-3	SB-3 (4-6')	Total/NA	Solid	3546	
MB 670-115045/1-A	Method Blank	Total/NA	Solid	3546	
LCS 670-115045/2-A	Lab Control Sample	Total/NA	Solid	3546	

### Analysis Batch: 115167

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-3	SB-3 (4-6')	Total/NA	Solid	FL-PRO	115045
MB 670-115045/1-A	Method Blank	Total/NA	Solid	FL-PRO	115045
LCS 670-115045/2-A	Lab Control Sample	Total/NA	Solid	FL-PRO	115045

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Metals

### Prep Batch: 115015

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	3051A	
670-48952-2	SB-2 (4-6')	Total/NA	Solid	3051A	
670-48952-3	SB-3 (4-6')	Total/NA	Solid	3051A	
MB 670-115015/3-A	Method Blank	Total/NA	Solid	3051A	
LCS 670-115015/1-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 670-115015/2-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

### Analysis Batch: 115238

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	6020B	115015
670-48952-2	SB-2 (4-6')	Total/NA	Solid	6020B	115015
670-48952-3	SB-3 (4-6')	Total/NA	Solid	6020B	115015
MB 670-115015/3-A	Method Blank	Total/NA	Solid	6020B	115015
LCS 670-115015/1-A	Lab Control Sample	Total/NA	Solid	6020B	115015
LCSD 670-115015/2-A	Lab Control Sample Dup	Total/NA	Solid	6020B	115015

### Prep Batch: 115990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-4	IDW	Total/NA	Solid	3051A	
MB 670-115990/3-A	Method Blank	Total/NA	Solid	3051A	
LCS 670-115990/1-A	Lab Control Sample	Total/NA	Solid	3051A	
LCSD 670-115990/2-A	Lab Control Sample Dup	Total/NA	Solid	3051A	

### Analysis Batch: 116263

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-4	IDW	Total/NA	Solid	6010D	115990
MB 670-115990/3-A	Method Blank	Total/NA	Solid	6010D	115990
LCS 670-115990/1-A	Lab Control Sample	Total/NA	Solid	6010D	115990
LCSD 670-115990/2-A	Lab Control Sample Dup	Total/NA	Solid	6010D	115990

## General Chemistry

### Analysis Batch: 115478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-4	IDW	Total/NA	Solid	Moisture	

### Analysis Batch: 115499

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-48952-1	SB-1 (10-12')	Total/NA	Solid	Moisture	
670-48952-2	SB-2 (4-6')	Total/NA	Solid	Moisture	
670-48952-3	SB-3 (4-6')	Total/NA	Solid	Moisture	
670-48952-2 DU	SB-2 (4-6')	Total/NA	Solid	Moisture	

# Lab Chronicle

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-1 (10-12')**

**Lab Sample ID: 670-48952-1**

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/03/24 12:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	115499	RB	EET ORL	10/09/24 08:36

**Client Sample ID: SB-1 (10-12')**

**Lab Sample ID: 670-48952-1**

Date Collected: 10/02/24 09:55

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115049	LT	EET ORL	10/07/24 16:28
Total/NA	Analysis	8260D		1	115943	T1Y	EET ORL	10/15/24 01:57
Total/NA	Prep	3546			115402	BR	EET ORL	10/09/24 05:49
Total/NA	Analysis	8270E		1	115795	JI	EET ORL	10/14/24 11:24
Total/NA	Prep	3546			114899	MA	EET ORL	10/07/24 08:38
Total/NA	Analysis	8270E SIM		1	114929	SI	EET ORL	10/07/24 18:09
Total/NA	Prep	3546			115045	FC	EET ORL	10/07/24 15:05
Total/NA	Analysis	FL-PRO		1	114641	JR	EET ORL	10/08/24 08:30
Total/NA	Prep	3051A			115015	JR	EET ORL	10/07/24 12:32
Total/NA	Analysis	6020B		5	115238	JA	EET ORL	10/07/24 19:32

**Client Sample ID: SB-2 (4-6')**

**Lab Sample ID: 670-48952-2**

Date Collected: 10/02/24 15:45

Matrix: Solid

Date Received: 10/03/24 12:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	115499	RB	EET ORL	10/09/24 08:36

**Client Sample ID: SB-2 (4-6')**

**Lab Sample ID: 670-48952-2**

Date Collected: 10/02/24 15:45

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115049	LT	EET ORL	10/07/24 16:28
Total/NA	Analysis	8260D		1	115943	T1Y	EET ORL	10/15/24 02:19
Total/NA	Prep	3546			115402	BR	EET ORL	10/09/24 05:49
Total/NA	Analysis	8270E		1	115795	JI	EET ORL	10/14/24 11:47
Total/NA	Prep	3546			114899	MA	EET ORL	10/07/24 08:38
Total/NA	Analysis	8270E SIM		1	114929	SI	EET ORL	10/07/24 18:34
Total/NA	Prep	3546	DL		114899	MA	EET ORL	10/07/24 08:38
Total/NA	Analysis	8270E SIM	DL	10	115556	SI	EET ORL	10/11/24 11:47
Total/NA	Prep	3546			115045	FC	EET ORL	10/07/24 15:05
Total/NA	Analysis	FL-PRO		2	114641	JR	EET ORL	10/08/24 08:12
Total/NA	Prep	3051A			115015	JR	EET ORL	10/07/24 12:32
Total/NA	Analysis	6020B		5	115238	JA	EET ORL	10/07/24 19:35

# Lab Chronicle

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

**Client Sample ID: SB-3 (4-6')**

**Lab Sample ID: 670-48952-3**

Date Collected: 10/02/24 13:05

Matrix: Solid

Date Received: 10/03/24 12:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	115499	RB	EET ORL	10/09/24 08:36

**Client Sample ID: SB-3 (4-6')**

**Lab Sample ID: 670-48952-3**

Date Collected: 10/02/24 13:05

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115049	LT	EET ORL	10/07/24 16:28
Total/NA	Analysis	8260D		1	115943	T1Y	EET ORL	10/15/24 02:41
Total/NA	Prep	3546			115402	BR	EET ORL	10/09/24 05:49
Total/NA	Analysis	8270E		1	115795	JI	EET ORL	10/14/24 12:11
Total/NA	Prep	3546			114899	MA	EET ORL	10/07/24 08:38
Total/NA	Analysis	8270E SIM		1	114929	SI	EET ORL	10/07/24 18:59
Total/NA	Prep	3546			115045	FC	EET ORL	10/07/24 15:05
Total/NA	Analysis	FL-PRO		1	115167	JR	EET ORL	10/08/24 11:28
Total/NA	Prep	3051A			115015	JR	EET ORL	10/07/24 12:32
Total/NA	Analysis	6020B		5	115238	JA	EET ORL	10/07/24 19:37

**Client Sample ID: IDW**

**Lab Sample ID: 670-48952-4**

Date Collected: 10/02/24 13:10

Matrix: Solid

Date Received: 10/03/24 12:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	115478	RB	EET ORL	10/09/24 08:37

**Client Sample ID: IDW**

**Lab Sample ID: 670-48952-4**

Date Collected: 10/02/24 13:10

Matrix: Solid

Date Received: 10/03/24 12:01

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	5035			115049	LT	EET ORL	10/07/24 16:28
Total/NA	Analysis	8260D		1	115943	T1Y	EET ORL	10/15/24 03:03
Total/NA	Prep	3051A			115990	DP	EET ORL	10/15/24 08:19
Total/NA	Analysis	6010D		1	116263	AS	EET ORL	10/15/24 16:01

**Client Sample ID: Rinsate Blank**

**Lab Sample ID: 670-48952-5**

Date Collected: 10/02/24 16:00

Matrix: Water

Date Received: 10/03/24 12:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	114934	AAM	EET ORL	10/07/24 19:46
Total/NA	Analysis	8260D	DL	5	115176	P1K	EET ORL	10/08/24 11:32

# Lab Chronicle

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Client Sample ID: Field Blank

Lab Sample ID: 670-48952-6

Date Collected: 10/02/24 00:00

Matrix: Water

Date Received: 10/03/24 12:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	114934	AAM	EET ORL	10/07/24 19:28
Total/NA	Analysis	8260D	DL	5	115176	P1K	EET ORL	10/08/24 11:53

## Client Sample ID: Trip Blank

Lab Sample ID: 670-48952-7

Date Collected: 10/02/24 00:00

Matrix: Water

Date Received: 10/03/24 12:01

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	114934	AAM	EET ORL	10/07/24 19:09

### Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Accreditation/Certification Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

## Laboratory: Eurofins Orlando

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	Diphenylamine
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Method Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ORL
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET ORL
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET ORL
FL-PRO	Florida - Petroleum Range Organics (GC)	FL-DEP	EET ORL
6010D	Metals (ICP)	SW846	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
Moisture	Percent Moisture	EPA	EET ORL
3051A	Preparation, Metals, Microwave Assisted	SW846	EET ORL
3546	Microwave Extraction	SW846	EET ORL
5030C	Purge and Trap	SW846	EET ORL
5035	Closed System Purge and Trap	SW846	EET ORL

**Protocol References:**

EPA = US Environmental Protection Agency

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

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

**Laboratory References:**

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984



# Sample Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-48952-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
670-48952-1	SB-1 (10-12')	Solid	10/02/24 09:55	10/03/24 12:01
670-48952-2	SB-2 (4-6')	Solid	10/02/24 15:45	10/03/24 12:01
670-48952-3	SB-3 (4-6')	Solid	10/02/24 13:05	10/03/24 12:01
670-48952-4	IDW	Solid	10/02/24 13:10	10/03/24 12:01
670-48952-5	Rinsate Blank	Water	10/02/24 16:00	10/03/24 12:01
670-48952-6	Field Blank	Water	10/02/24 00:00	10/03/24 12:01
670-48952-7	Trip Blank	Water	10/02/24 00:00	10/03/24 12:01

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

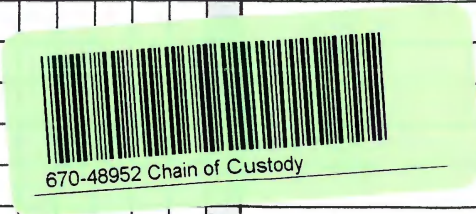
**Eurofins Orlando**

481 Newburyport Avenue  
Altamonte Springs, FL 32701  
Phone (407) 339-5984 Phone (407) 260-6110

**Chain of Custody Record**



<b>Client Information</b>			Sampler: <u>Jeff Ferretti</u>		Lab PM: <u>Betancourt, Luis I</u>		Carrier Tracking No(s):		COC No: <u>670-22309-9439.2</u>			
Client Contact: <u>Jeff Ferretti</u>			Phone:		E-Mail: <u>Luis.Betancourt@et.eurofinsus.com</u>		State of Origin:		Page: <u>Page _ of _</u>			
Company: <u>PPM Consultants, Inc.</u>			PWSID:		<b>Analysis Requested</b>						Job #:	
Address: <u>750 South Northlake Boulevard Suite 1012</u>			Due Date Requested:								Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) <u>8260 D-VOCs</u> <u>870E 870, SIM &amp; SVOCs</u> <u>FL PRO TRPH</u> <u>6020A Lead</u> <u>BTEX</u> <u>4 RCRA</u>	
City: <u>Altamonte Springs</u>			TAT Requested (days): <u>7</u>		Other:							
State, Zip: <u>FL, 32701</u>			Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No		Special Instructions/Note:							
Phone:			PO #:		Purchase Order Requested							
Email: <u>Jeff.Ferretti@ppmco.com</u>			WO #:		Project Name: <u>Vacant Parcel - Lake Butler</u>							
Project Name: <u>Vacant Parcel - Lake Butler</u>			Project #: <u>20165101-21</u>		Project #: <u>20165101-21</u>							
Site:			SSOW#:		Site:							
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Total Number of containers		Special Instructions/Note:			
<u>SB-1 (10-12')</u>	<u>10/2/24</u>	<u>955</u>	<u>G</u>	<u>Solid</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				
<u>SB-2 (4-6')</u>		<u>1545</u>										
<u>SB-3 (4-6')</u>		<u>1305</u>										
<u>IDW</u>		<u>1310</u>										
<u>Rinsate Blank</u>		<u>1600</u>	<u>G</u>	<u>water</u>	<u>X</u>							
<u>Field Blank</u>												
<u>Trip Blank</u>												
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)					Special Instructions/QC Requirements:							
Empty Kit Relinquished by:			Date:		Time:		Method of Shipment:					
Relinquished by: <u>[Signature]</u>		Date/Time: <u>10/3/24</u>		Company:		Received by: <u>[Signature]</u>		Date/Time: <u>10/3/24</u>		Company: <u>1201</u>		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:		
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:			Cooler Temperature(s) °C and Other Remarks: <u>2.7/2.7</u>							



## Login Sample Receipt Checklist

Client: PPM Consultants, Inc.

Job Number: 670-48952-1

**Login Number: 48952**

**List Source: Eurofins Orlando**

**List Number: 1**

**Creator: Lavardera, Angelina**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Jeff Ferretti  
PPM Consultants, Inc.  
750 South Northlake Boulevard  
Suite 1012  
Altamonte Springs, Florida 32701

Generated 10/31/2024 1:13:44 PM Revision 1

## JOB DESCRIPTION

Lake Butler Vacant Parcel

## JOB NUMBER

670-49558-1

# Eurofins Orlando

## Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

## Authorization



Authorized for release by  
Luis Betancourt, Project Manager I  
[Luis.Betancourt@et.eurofinsus.com](mailto:Luis.Betancourt@et.eurofinsus.com)  
(321)282-6293

Generated  
10/31/2024 1:13:44 PM  
Revision 1



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	3
Definitions/Glossary . . . . .	4
Case Narrative . . . . .	5
Detection Summary . . . . .	7
Client Sample Results . . . . .	8
Surrogate Summary . . . . .	28
QC Sample Results . . . . .	30
QC Association Summary . . . . .	49
Lab Chronicle . . . . .	52
Certification Summary . . . . .	54
Method Summary . . . . .	55
Sample Summary . . . . .	56
Chain of Custody . . . . .	57
Receipt Checklists . . . . .	58

# Definitions/Glossary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Qualifiers

### GC/MS VOA

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

### GC/MS Semi VOA

Qualifier	Qualifier Description
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

### GC Semi VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

### Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: PPM Consultants, Inc.  
Project: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Job ID: 670-49558-1**

**Eurofins Orlando**

## Job Narrative 670-49558-1

### REVISION

The report being provided is a revision of the original report sent on 10/23/2024. The report (revision 1) is being revised due to Client requested that PAHs be included in the 8270 list.

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### **Receipt**

The samples were received on 10/17/2024 12:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C.

### **GC/MS VOA**

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-116740 recovered outside acceptance criteria, low biased, for Dichlorodifluoromethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-116988 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCVIS 670-116988/3).

Method 8260D: The method requirement for no headspace was not met. The following volatile sample was analyzed with headspace in the sample container(s): TRIP BLANK (670-49558-8). The sample container was received with headspace.

Method 8260D: The continuing calibration verification (CCV) associated with batch 670-117221 recovered outside acceptance criteria, low biased, for Bromomethane. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: Sample re-analyzed to confirm presence of Chloroform. Re-analysis resulted in a final value above the set calibration range. Initial analysis reported as primary.

TRIP BLANK (670-49558-8)

Method 8260D: Sample re-analyzed to confirm presence of analyte. Re-analysis resulted in a positive hit above the calibration range. Initial analysis results reported.

TRIP BLANK (670-49558-8)

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

### **GC/MS Semi VOA**

Method 8270E: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 670-116970 and analytical batch 670-117011 recovered outside control limits for the following analytes: 2,4-Dinitrophenol.

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

Eurofins Orlando

# Case Narrative

Client: PPM Consultants, Inc.  
Project: Lake Butler Vacant Parcel

Job ID: 670-49558-1

---

**Job ID: 670-49558-1 (Continued)**

**Eurofins Orlando**

---

**GC Semi VOA**

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

**Metals**

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

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

# Detection Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Client Sample ID: MW-1

Lab Sample ID: 670-49558-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.00058	I	0.0020	0.00024	mg/L	1		6020B	Total Recoverable

## Client Sample ID: MW-2

Lab Sample ID: 670-49558-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Petroleum Hydrocarbons (C8-C40)	0.48	I	1.0	0.34	mg/L	1		FL-PRO	Total/NA

## Client Sample ID: MW-3

Lab Sample ID: 670-49558-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Petroleum Hydrocarbons (C8-C40)	0.42	I	1.0	0.34	mg/L	1		FL-PRO	Total/NA
Lead	0.00058	I	0.0020	0.00024	mg/L	1		6020B	Total Recoverable

## Client Sample ID: MW-4

Lab Sample ID: 670-49558-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Petroleum Hydrocarbons (C8-C40)	0.42	I	1.0	0.34	mg/L	1		FL-PRO	Total/NA
Lead	0.0011	I	0.0020	0.00024	mg/L	1		6020B	Total Recoverable

## Client Sample ID: MW-DUP

Lab Sample ID: 670-49558-5

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Petroleum Hydrocarbons (C8-C40)	0.49	I	1.0	0.34	mg/L	1		FL-PRO	Total/NA
Lead	0.0069		0.0020	0.00024	mg/L	1		6020B	Total Recoverable

## Client Sample ID: FIELD BLANK

Lab Sample ID: 670-49558-6

No Detections.

## Client Sample ID: RINSATE

Lab Sample ID: 670-49558-7

No Detections.

## Client Sample ID: TRIP BLANK

Lab Sample ID: 670-49558-8

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	96		5.0	0.80	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-1**

**Lab Sample ID: 670-49558-1**

**Date Collected: 10/16/24 13:05**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/18/24 15:01	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/18/24 15:01	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/18/24 15:01	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/18/24 15:01	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/18/24 15:01	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/18/24 15:01	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/18/24 15:01	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/18/24 15:01	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/18/24 15:01	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/18/24 15:01	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/18/24 15:01	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/18/24 15:01	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/18/24 15:01	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/18/24 15:01	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:01	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/18/24 15:01	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/18/24 15:01	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/18/24 15:01	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/18/24 15:01	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/18/24 15:01	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/18/24 15:01	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/18/24 15:01	1
Acetone	25	U	50	25	ug/L			10/18/24 15:01	1
Benzene	0.71	U	1.0	0.71	ug/L			10/18/24 15:01	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:01	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/18/24 15:01	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/18/24 15:01	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/18/24 15:01	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/18/24 15:01	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/18/24 15:01	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/18/24 15:01	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/18/24 15:01	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/18/24 15:01	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/18/24 15:01	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/18/24 15:01	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/18/24 15:01	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/18/24 15:01	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/18/24 15:01	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/18/24 15:01	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/18/24 15:01	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/18/24 15:01	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/18/24 15:01	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/18/24 15:01	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/18/24 15:01	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/18/24 15:01	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/18/24 15:01	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/18/24 15:01	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/18/24 15:01	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/18/24 15:01	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-1**

**Lab Sample ID: 670-49558-1**

**Date Collected: 10/16/24 13:05**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			10/18/24 15:01	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/18/24 15:01	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/18/24 15:01	1
Toluene	0.72	U	1.0	0.72	ug/L			10/18/24 15:01	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/18/24 15:01	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/18/24 15:01	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/18/24 15:01	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/18/24 15:01	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/18/24 15:01	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/18/24 15:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		40 - 146		10/18/24 15:01	1
4-Bromofluorobenzene (Surr)	105		41 - 142		10/18/24 15:01	1
Dibromofluoromethane (Surr)	106		53 - 146		10/18/24 15:01	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	3.3	U	10	3.3	ug/L		10/18/24 15:54	10/19/24 19:42	1
2,4,6-Trichlorophenol	3.5	U	10	3.5	ug/L		10/18/24 15:54	10/19/24 19:42	1
2,4-Dichlorophenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
2,4-Dimethylphenol	3.0	U	10	3.0	ug/L		10/18/24 15:54	10/19/24 19:42	1
2,4-Dinitrophenol	2.8	U	10	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
2,4-Dinitrotoluene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
2,6-Dinitrotoluene	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
2-Chloronaphthalene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
2-Chlorophenol	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 19:42	1
4,6-Dinitro-2-methylphenol	2.7	U	10	2.7	ug/L		10/18/24 15:54	10/19/24 19:42	1
2-Methylnaphthalene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 19:42	1
2-Methylphenol	2.5	U	5.0	2.5	ug/L		10/18/24 15:54	10/19/24 19:42	1
2-Nitrophenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
3 & 4 Methylphenol	3.1	U	10	3.1	ug/L		10/18/24 15:54	10/19/24 19:42	1
3,3'-Dichlorobenzidine	4.4	U	10	4.4	ug/L		10/18/24 15:54	10/19/24 19:42	1
4-Bromophenyl phenyl ether	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 19:42	1
4-Chloro-3-methylphenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
4-Chlorophenyl phenyl ether	2.3	U	10	2.3	ug/L		10/18/24 15:54	10/19/24 19:42	1
4-Nitrophenol	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 19:42	1
Bis(2-chloroethoxy)methane	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Bis(2-chloroethyl)ether	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 19:42	1
bis (2-chloroisopropyl) ether	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 19:42	1
Bis(2-ethylhexyl) phthalate	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 19:42	1
Butyl benzyl phthalate	3.2	U	5.0	3.2	ug/L		10/18/24 15:54	10/19/24 19:42	1
Diethyl phthalate	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 19:42	1
Dimethyl phthalate	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
Di-n-butyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 19:42	1
Di-n-octyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 19:42	1
Hexachlorobenzene	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 19:42	1
Hexachlorobutadiene	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 19:42	1
Hexachlorocyclopentadiene	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 19:42	1
Hexachloroethane	3.3	U	10	3.3	ug/L		10/18/24 15:54	10/19/24 19:42	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-1**

**Lab Sample ID: 670-49558-1**

**Date Collected: 10/16/24 13:05**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
Nitrobenzene	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 19:42	1
N-Nitrosodi-n-propylamine	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 19:42	1
Pentachlorophenol	3.8	U	10	3.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Phenol	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 19:42	1
Diphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
N-Nitrosodiphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Fluorene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 19:42	1
Acenaphthylene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
Benzo[g,h,i]perylene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 19:42	1
Benzo[k]fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 19:42	1
Benzo[a]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Anthracene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Pyrene	2.4	U	10	2.4	ug/L		10/18/24 15:54	10/19/24 19:42	1
Dibenz(a,h)anthracene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 19:42	1
Naphthalene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 19:42	1
Fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 19:42	1
Benzo[a]anthracene	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 19:42	1
Indeno[1,2,3-cd]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Chrysene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Acenaphthene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 19:42	1
Benzo[b]fluoranthene	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 19:42	1
Phenanthrene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 19:42	1
1-Methylnaphthalene	2.7	U	10	2.7	ug/L		10/18/24 15:54	10/19/24 19:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		24 - 137	10/18/24 15:54	10/19/24 19:42	1
2-Fluorobiphenyl	109		32 - 136	10/18/24 15:54	10/19/24 19:42	1
p-Terphenyl-d14 (Surr)	118		52 - 150	10/18/24 15:54	10/19/24 19:42	1
Phenol-d5 (Surr)	45		10 - 140	10/18/24 15:54	10/19/24 19:42	1
2-Fluorophenol (Surr)	68		11 - 140	10/18/24 15:54	10/19/24 19:42	1
2,4,6-Tribromophenol (Surr)	133		33 - 145	10/18/24 15:54	10/19/24 19:42	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	0.34	U	1.0	0.34	mg/L		10/22/24 10:33	10/23/24 10:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	103		66 - 139	10/22/24 10:33	10/23/24 10:42	1
C35 (Surr)	105		40 - 129	10/22/24 10:33	10/23/24 10:42	1

**Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.00058	I	0.0020	0.00024	mg/L		10/17/24 16:18	10/18/24 17:38	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-2**

**Lab Sample ID: 670-49558-2**

**Date Collected: 10/16/24 14:00**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/18/24 15:19	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/18/24 15:19	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/18/24 15:19	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/18/24 15:19	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/18/24 15:19	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/18/24 15:19	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/18/24 15:19	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/18/24 15:19	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/18/24 15:19	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/18/24 15:19	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/18/24 15:19	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/18/24 15:19	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/18/24 15:19	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/18/24 15:19	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:19	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/18/24 15:19	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/18/24 15:19	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/18/24 15:19	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/18/24 15:19	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/18/24 15:19	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/18/24 15:19	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/18/24 15:19	1
Acetone	25	U	50	25	ug/L			10/18/24 15:19	1
Benzene	0.71	U	1.0	0.71	ug/L			10/18/24 15:19	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:19	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/18/24 15:19	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/18/24 15:19	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/18/24 15:19	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/18/24 15:19	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/18/24 15:19	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/18/24 15:19	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/18/24 15:19	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/18/24 15:19	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/18/24 15:19	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/18/24 15:19	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/18/24 15:19	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/18/24 15:19	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/18/24 15:19	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/18/24 15:19	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/18/24 15:19	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/18/24 15:19	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/18/24 15:19	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/18/24 15:19	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/18/24 15:19	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/18/24 15:19	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/18/24 15:19	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/18/24 15:19	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/18/24 15:19	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/18/24 15:19	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-2**

**Lab Sample ID: 670-49558-2**

**Date Collected: 10/16/24 14:00**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			10/18/24 15:19	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/18/24 15:19	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/18/24 15:19	1
Toluene	0.72	U	1.0	0.72	ug/L			10/18/24 15:19	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/18/24 15:19	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/18/24 15:19	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/18/24 15:19	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/18/24 15:19	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/18/24 15:19	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/18/24 15:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	104		40 - 146					10/18/24 15:19	1
4-Bromofluorobenzene (Surr)	105		41 - 142					10/18/24 15:19	1
Dibromofluoromethane (Surr)	108		53 - 146					10/18/24 15:19	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	3.3	U	10	3.3	ug/L		10/18/24 15:54	10/19/24 20:02	1
2,4,6-Trichlorophenol	3.5	U	10	3.5	ug/L		10/18/24 15:54	10/19/24 20:02	1
2,4-Dichlorophenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
2,4-Dimethylphenol	3.0	U	10	3.0	ug/L		10/18/24 15:54	10/19/24 20:02	1
2,4-Dinitrophenol	2.8	U	10	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
2,4-Dinitrotoluene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
2,6-Dinitrotoluene	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
2-Chloronaphthalene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
2-Chlorophenol	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 20:02	1
4,6-Dinitro-2-methylphenol	2.7	U	10	2.7	ug/L		10/18/24 15:54	10/19/24 20:02	1
2-Methylnaphthalene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:02	1
2-Methylphenol	2.5	U	5.0	2.5	ug/L		10/18/24 15:54	10/19/24 20:02	1
2-Nitrophenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
3 & 4 Methylphenol	3.1	U	10	3.1	ug/L		10/18/24 15:54	10/19/24 20:02	1
3,3'-Dichlorobenzidine	4.4	U	10	4.4	ug/L		10/18/24 15:54	10/19/24 20:02	1
4-Bromophenyl phenyl ether	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:02	1
4-Chloro-3-methylphenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
4-Chlorophenyl phenyl ether	2.3	U	10	2.3	ug/L		10/18/24 15:54	10/19/24 20:02	1
4-Nitrophenol	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:02	1
Bis(2-chloroethoxy)methane	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Bis(2-chloroethyl)ether	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:02	1
bis (2-chloroisopropyl) ether	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:02	1
Bis(2-ethylhexyl) phthalate	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:02	1
Butyl benzyl phthalate	3.2	U	5.0	3.2	ug/L		10/18/24 15:54	10/19/24 20:02	1
Diethyl phthalate	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:02	1
Dimethyl phthalate	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
Di-n-butyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:02	1
Di-n-octyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:02	1
Hexachlorobenzene	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:02	1
Hexachlorobutadiene	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 20:02	1
Hexachlorocyclopentadiene	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 20:02	1
Hexachloroethane	3.3	U	10	3.3	ug/L		10/18/24 15:54	10/19/24 20:02	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-2**

**Lab Sample ID: 670-49558-2**

**Date Collected: 10/16/24 14:00**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
Nitrobenzene	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:02	1
N-Nitrosodi-n-propylamine	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:02	1
Pentachlorophenol	3.8	U	10	3.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Phenol	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:02	1
Diphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
N-Nitrosodiphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Fluorene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 20:02	1
Acenaphthylene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
Benzo[g,h,i]perylene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 20:02	1
Benzo[k]fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:02	1
Benzo[a]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Anthracene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Pyrene	2.4	U	10	2.4	ug/L		10/18/24 15:54	10/19/24 20:02	1
Dibenz(a,h)anthracene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 20:02	1
Naphthalene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:02	1
Fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:02	1
Benzo[a]anthracene	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:02	1
Indeno[1,2,3-cd]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Chrysene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Acenaphthene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:02	1
Benzo[b]fluoranthene	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:02	1
Phenanthrene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:02	1
1-Methylnaphthalene	2.7	U	10	2.7	ug/L		10/18/24 15:54	10/19/24 20:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		24 - 137	10/18/24 15:54	10/19/24 20:02	1
2-Fluorobiphenyl	105		32 - 136	10/18/24 15:54	10/19/24 20:02	1
p-Terphenyl-d14 (Surr)	110		52 - 150	10/18/24 15:54	10/19/24 20:02	1
Phenol-d5 (Surr)	41		10 - 140	10/18/24 15:54	10/19/24 20:02	1
2-Fluorophenol (Surr)	61		11 - 140	10/18/24 15:54	10/19/24 20:02	1
2,4,6-Tribromophenol (Surr)	121		33 - 145	10/18/24 15:54	10/19/24 20:02	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Petroleum Hydrocarbons (C8-C40)</b>	<b>0.48</b>	<b>I</b>	1.0	0.34	mg/L		10/22/24 10:33	10/23/24 11:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	98		66 - 139	10/22/24 10:33	10/23/24 11:34	1
C35 (Surr)	93		40 - 129	10/22/24 10:33	10/23/24 11:34	1

**Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.00024	U	0.0020	0.00024	mg/L		10/17/24 16:18	10/18/24 17:41	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-3**

**Lab Sample ID: 670-49558-3**

**Date Collected: 10/16/24 15:05**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/18/24 15:37	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/18/24 15:37	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/18/24 15:37	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/18/24 15:37	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/18/24 15:37	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/18/24 15:37	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/18/24 15:37	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/18/24 15:37	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/18/24 15:37	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/18/24 15:37	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/18/24 15:37	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/18/24 15:37	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/18/24 15:37	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/18/24 15:37	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:37	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/18/24 15:37	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/18/24 15:37	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/18/24 15:37	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/18/24 15:37	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/18/24 15:37	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/18/24 15:37	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/18/24 15:37	1
Acetone	25	U	50	25	ug/L			10/18/24 15:37	1
Benzene	0.71	U	1.0	0.71	ug/L			10/18/24 15:37	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:37	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/18/24 15:37	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/18/24 15:37	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/18/24 15:37	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/18/24 15:37	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/18/24 15:37	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/18/24 15:37	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/18/24 15:37	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/18/24 15:37	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/18/24 15:37	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/18/24 15:37	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/18/24 15:37	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/18/24 15:37	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/18/24 15:37	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/18/24 15:37	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/18/24 15:37	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/18/24 15:37	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/18/24 15:37	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/18/24 15:37	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/18/24 15:37	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/18/24 15:37	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/18/24 15:37	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/18/24 15:37	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/18/24 15:37	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/18/24 15:37	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-3**

**Lab Sample ID: 670-49558-3**

**Date Collected: 10/16/24 15:05**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			10/18/24 15:37	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/18/24 15:37	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/18/24 15:37	1
Toluene	0.72	U	1.0	0.72	ug/L			10/18/24 15:37	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/18/24 15:37	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/18/24 15:37	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/18/24 15:37	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/18/24 15:37	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/18/24 15:37	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/18/24 15:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		40 - 146		10/18/24 15:37	1
4-Bromofluorobenzene (Surr)	105		41 - 142		10/18/24 15:37	1
Dibromofluoromethane (Surr)	103		53 - 146		10/18/24 15:37	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	3.3	U	10	3.3	ug/L		10/18/24 15:54	10/19/24 20:22	1
2,4,6-Trichlorophenol	3.5	U	10	3.5	ug/L		10/18/24 15:54	10/19/24 20:22	1
2,4-Dichlorophenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
2,4-Dimethylphenol	3.0	U	10	3.0	ug/L		10/18/24 15:54	10/19/24 20:22	1
2,4-Dinitrophenol	2.8	U	10	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
2,4-Dinitrotoluene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
2,6-Dinitrotoluene	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
2-Chloronaphthalene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
2-Chlorophenol	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 20:22	1
4,6-Dinitro-2-methylphenol	2.7	U	10	2.7	ug/L		10/18/24 15:54	10/19/24 20:22	1
2-Methylnaphthalene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:22	1
2-Methylphenol	2.5	U	5.0	2.5	ug/L		10/18/24 15:54	10/19/24 20:22	1
2-Nitrophenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
3 & 4 Methylphenol	3.1	U	10	3.1	ug/L		10/18/24 15:54	10/19/24 20:22	1
3,3'-Dichlorobenzidine	4.4	U	10	4.4	ug/L		10/18/24 15:54	10/19/24 20:22	1
4-Bromophenyl phenyl ether	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:22	1
4-Chloro-3-methylphenol	2.9	U	10	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
4-Chlorophenyl phenyl ether	2.3	U	10	2.3	ug/L		10/18/24 15:54	10/19/24 20:22	1
4-Nitrophenol	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:22	1
Bis(2-chloroethoxy)methane	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Bis(2-chloroethyl)ether	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:22	1
bis (2-chloroisopropyl) ether	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:22	1
Bis(2-ethylhexyl) phthalate	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:22	1
Butyl benzyl phthalate	3.2	U	5.0	3.2	ug/L		10/18/24 15:54	10/19/24 20:22	1
Diethyl phthalate	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:22	1
Dimethyl phthalate	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
Di-n-butyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:22	1
Di-n-octyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:22	1
Hexachlorobenzene	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:22	1
Hexachlorobutadiene	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 20:22	1
Hexachlorocyclopentadiene	3.2	U	10	3.2	ug/L		10/18/24 15:54	10/19/24 20:22	1
Hexachloroethane	3.3	U	10	3.3	ug/L		10/18/24 15:54	10/19/24 20:22	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-3**

**Lab Sample ID: 670-49558-3**

Date Collected: 10/16/24 15:05

Matrix: Water

Date Received: 10/17/24 12:20

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
Nitrobenzene	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:22	1
N-Nitrosodi-n-propylamine	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:22	1
Pentachlorophenol	3.8	U	10	3.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Phenol	2.5	U	10	2.5	ug/L		10/18/24 15:54	10/19/24 20:22	1
Diphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
N-Nitrosodiphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Fluorene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 20:22	1
Acenaphthylene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
Benzo[g,h,i]perylene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 20:22	1
Benzo[k]fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:22	1
Benzo[a]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Anthracene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Pyrene	2.4	U	10	2.4	ug/L		10/18/24 15:54	10/19/24 20:22	1
Dibenz(a,h)anthracene	2.6	U	5.0	2.6	ug/L		10/18/24 15:54	10/19/24 20:22	1
Naphthalene	2.9	U	5.0	2.9	ug/L		10/18/24 15:54	10/19/24 20:22	1
Fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:22	1
Benzo[a]anthracene	3.0	U	5.0	3.0	ug/L		10/18/24 15:54	10/19/24 20:22	1
Indeno[1,2,3-cd]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Chrysene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Acenaphthene	2.8	U	5.0	2.8	ug/L		10/18/24 15:54	10/19/24 20:22	1
Benzo[b]fluoranthene	3.1	U	5.0	3.1	ug/L		10/18/24 15:54	10/19/24 20:22	1
Phenanthrene	2.7	U	5.0	2.7	ug/L		10/18/24 15:54	10/19/24 20:22	1
1-Methylnaphthalene	2.7	U	10	2.7	ug/L		10/18/24 15:54	10/19/24 20:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	77		24 - 137	10/18/24 15:54	10/19/24 20:22	1
2-Fluorobiphenyl	108		32 - 136	10/18/24 15:54	10/19/24 20:22	1
p-Terphenyl-d14 (Surr)	110		52 - 150	10/18/24 15:54	10/19/24 20:22	1
Phenol-d5 (Surr)	44		10 - 140	10/18/24 15:54	10/19/24 20:22	1
2-Fluorophenol (Surr)	66		11 - 140	10/18/24 15:54	10/19/24 20:22	1
2,4,6-Tribromophenol (Surr)	123		33 - 145	10/18/24 15:54	10/19/24 20:22	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Petroleum Hydrocarbons (C8-C40)</b>	<b>0.42</b>	<b>I</b>	1.0	0.34	mg/L		10/22/24 10:33	10/23/24 11:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	94		66 - 139	10/22/24 10:33	10/23/24 11:17	1
C35 (Surr)	86		40 - 129	10/22/24 10:33	10/23/24 11:17	1

**Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>0.00058</b>	<b>I</b>	0.0020	0.00024	mg/L		10/17/24 16:18	10/18/24 17:44	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-4**

**Lab Sample ID: 670-49558-4**

**Date Collected: 10/16/24 16:00**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/18/24 15:55	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/18/24 15:55	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/18/24 15:55	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/18/24 15:55	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/18/24 15:55	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/18/24 15:55	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/18/24 15:55	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/18/24 15:55	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/18/24 15:55	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/18/24 15:55	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/18/24 15:55	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/18/24 15:55	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/18/24 15:55	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/18/24 15:55	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:55	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/18/24 15:55	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/18/24 15:55	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/18/24 15:55	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/18/24 15:55	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/18/24 15:55	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/18/24 15:55	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/18/24 15:55	1
Acetone	25	U	50	25	ug/L			10/18/24 15:55	1
Benzene	0.71	U	1.0	0.71	ug/L			10/18/24 15:55	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 15:55	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/18/24 15:55	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/18/24 15:55	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/18/24 15:55	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/18/24 15:55	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/18/24 15:55	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/18/24 15:55	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/18/24 15:55	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/18/24 15:55	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/18/24 15:55	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/18/24 15:55	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/18/24 15:55	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/18/24 15:55	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/18/24 15:55	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/18/24 15:55	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/18/24 15:55	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/18/24 15:55	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/18/24 15:55	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/18/24 15:55	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/18/24 15:55	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/18/24 15:55	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/18/24 15:55	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/18/24 15:55	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/18/24 15:55	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/18/24 15:55	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-4**

**Lab Sample ID: 670-49558-4**

**Date Collected: 10/16/24 16:00**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			10/18/24 15:55	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/18/24 15:55	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/18/24 15:55	1
Toluene	0.72	U	1.0	0.72	ug/L			10/18/24 15:55	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/18/24 15:55	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/18/24 15:55	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/18/24 15:55	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/18/24 15:55	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/18/24 15:55	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/18/24 15:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Toluene-d8 (Surr)</i>	107		40 - 146		10/18/24 15:55	1
<i>4-Bromofluorobenzene (Surr)</i>	99		41 - 142		10/18/24 15:55	1
<i>Dibromofluoromethane (Surr)</i>	105		53 - 146		10/18/24 15:55	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	3.3	U	10	3.3	ug/L		10/21/24 05:55	10/21/24 12:59	1
2,4,6-Trichlorophenol	3.5	U	10	3.5	ug/L		10/21/24 05:55	10/21/24 12:59	1
2,4-Dichlorophenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
2,4-Dimethylphenol	3.0	U	10	3.0	ug/L		10/21/24 05:55	10/21/24 12:59	1
2,4-Dinitrophenol	2.8	U	10	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
2,4-Dinitrotoluene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
2,6-Dinitrotoluene	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
2-Chloronaphthalene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
2-Chlorophenol	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 12:59	1
4,6-Dinitro-2-methylphenol	2.7	U	10	2.7	ug/L		10/21/24 05:55	10/21/24 12:59	1
2-Methylnaphthalene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:59	1
2-Methylphenol	2.5	U	5.0	2.5	ug/L		10/21/24 05:55	10/21/24 12:59	1
2-Nitrophenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
3 & 4 Methylphenol	3.1	U	10	3.1	ug/L		10/21/24 05:55	10/21/24 12:59	1
3,3'-Dichlorobenzidine	4.4	U	10	4.4	ug/L		10/21/24 05:55	10/21/24 12:59	1
4-Bromophenyl phenyl ether	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:59	1
4-Chloro-3-methylphenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
4-Chlorophenyl phenyl ether	2.3	U	10	2.3	ug/L		10/21/24 05:55	10/21/24 12:59	1
4-Nitrophenol	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:59	1
Bis(2-chloroethoxy)methane	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Bis(2-chloroethyl)ether	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:59	1
bis (2-chloroisopropyl) ether	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:59	1
Bis(2-ethylhexyl) phthalate	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:59	1
Butyl benzyl phthalate	3.2	U	5.0	3.2	ug/L		10/21/24 05:55	10/21/24 12:59	1
Diethyl phthalate	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:59	1
Dimethyl phthalate	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
Di-n-butyl phthalate	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:59	1
Di-n-octyl phthalate	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:59	1
Hexachlorobenzene	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:59	1
Hexachlorobutadiene	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 12:59	1
Hexachlorocyclopentadiene	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 12:59	1
Hexachloroethane	3.3	U	10	3.3	ug/L		10/21/24 05:55	10/21/24 12:59	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-4**

**Lab Sample ID: 670-49558-4**

**Date Collected: 10/16/24 16:00**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
Nitrobenzene	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:59	1
N-Nitrosodi-n-propylamine	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:59	1
Pentachlorophenol	3.8	U	10	3.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Phenol	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:59	1
Diphenylamine	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
N-Nitrosodiphenylamine	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Fluorene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 12:59	1
Acenaphthylene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
Benzo[g,h,i]perylene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 12:59	1
Benzo[k]fluoranthene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:59	1
Benzo[a]pyrene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Anthracene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Pyrene	2.4	U	10	2.4	ug/L		10/21/24 05:55	10/21/24 12:59	1
Dibenz(a,h)anthracene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 12:59	1
Naphthalene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:59	1
Fluoranthene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:59	1
Benzo[a]anthracene	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:59	1
Indeno[1,2,3-cd]pyrene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Chrysene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Acenaphthene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:59	1
Benzo[b]fluoranthene	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:59	1
Phenanthrene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:59	1
1-Methylnaphthalene	2.7	U	10	2.7	ug/L		10/21/24 05:55	10/21/24 12:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		24 - 137	10/21/24 05:55	10/21/24 12:59	1
2-Fluorobiphenyl	84		32 - 136	10/21/24 05:55	10/21/24 12:59	1
p-Terphenyl-d14 (Surr)	97		52 - 150	10/21/24 05:55	10/21/24 12:59	1
Phenol-d5 (Surr)	34		10 - 140	10/21/24 05:55	10/21/24 12:59	1
2-Fluorophenol (Surr)	51		11 - 140	10/21/24 05:55	10/21/24 12:59	1
2,4,6-Tribromophenol (Surr)	92		33 - 145	10/21/24 05:55	10/21/24 12:59	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Petroleum Hydrocarbons (C8-C40)</b>	<b>0.42</b>	<b>I</b>	1.0	0.34	mg/L		10/22/24 10:33	10/23/24 10:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	94		66 - 139	10/22/24 10:33	10/23/24 10:59	1
C35 (Surr)	86		40 - 129	10/22/24 10:33	10/23/24 10:59	1

**Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>0.0011</b>	<b>I</b>	0.0020	0.00024	mg/L		10/17/24 16:18	10/18/24 17:49	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-DUP**

**Lab Sample ID: 670-49558-5**

**Date Collected: 10/16/24 14:10**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/18/24 16:13	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/18/24 16:13	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/18/24 16:13	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/18/24 16:13	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/18/24 16:13	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/18/24 16:13	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/18/24 16:13	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/18/24 16:13	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/18/24 16:13	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/18/24 16:13	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/18/24 16:13	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/18/24 16:13	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/18/24 16:13	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/18/24 16:13	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 16:13	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/18/24 16:13	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/18/24 16:13	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/18/24 16:13	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/18/24 16:13	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/18/24 16:13	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/18/24 16:13	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/18/24 16:13	1
Acetone	25	U	50	25	ug/L			10/18/24 16:13	1
Benzene	0.71	U	1.0	0.71	ug/L			10/18/24 16:13	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 16:13	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/18/24 16:13	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/18/24 16:13	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/18/24 16:13	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/18/24 16:13	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/18/24 16:13	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/18/24 16:13	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/18/24 16:13	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/18/24 16:13	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/18/24 16:13	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/18/24 16:13	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/18/24 16:13	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/18/24 16:13	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/18/24 16:13	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/18/24 16:13	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/18/24 16:13	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/18/24 16:13	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/18/24 16:13	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/18/24 16:13	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/18/24 16:13	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/18/24 16:13	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/18/24 16:13	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/18/24 16:13	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/18/24 16:13	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/18/24 16:13	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-DUP**

**Lab Sample ID: 670-49558-5**

**Date Collected: 10/16/24 14:10**

**Matrix: Water**

**Date Received: 10/17/24 12:20**

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			10/18/24 16:13	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/18/24 16:13	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/18/24 16:13	1
Toluene	0.72	U	1.0	0.72	ug/L			10/18/24 16:13	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/18/24 16:13	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/18/24 16:13	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/18/24 16:13	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/18/24 16:13	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/18/24 16:13	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/18/24 16:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	107		40 - 146		10/18/24 16:13	1
4-Bromofluorobenzene (Surr)	101		41 - 142		10/18/24 16:13	1
Dibromofluoromethane (Surr)	105		53 - 146		10/18/24 16:13	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	3.3	U	10	3.3	ug/L		10/21/24 05:55	10/21/24 13:19	1
2,4,6-Trichlorophenol	3.5	U	10	3.5	ug/L		10/21/24 05:55	10/21/24 13:19	1
2,4-Dichlorophenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
2,4-Dimethylphenol	3.0	U	10	3.0	ug/L		10/21/24 05:55	10/21/24 13:19	1
2,4-Dinitrophenol	2.8	U	10	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
2,4-Dinitrotoluene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
2,6-Dinitrotoluene	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
2-Chloronaphthalene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
2-Chlorophenol	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 13:19	1
4,6-Dinitro-2-methylphenol	2.7	U	10	2.7	ug/L		10/21/24 05:55	10/21/24 13:19	1
2-Methylnaphthalene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 13:19	1
2-Methylphenol	2.5	U	5.0	2.5	ug/L		10/21/24 05:55	10/21/24 13:19	1
2-Nitrophenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
3 & 4 Methylphenol	3.1	U	10	3.1	ug/L		10/21/24 05:55	10/21/24 13:19	1
3,3'-Dichlorobenzidine	4.4	U	10	4.4	ug/L		10/21/24 05:55	10/21/24 13:19	1
4-Bromophenyl phenyl ether	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 13:19	1
4-Chloro-3-methylphenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
4-Chlorophenyl phenyl ether	2.3	U	10	2.3	ug/L		10/21/24 05:55	10/21/24 13:19	1
4-Nitrophenol	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 13:19	1
Bis(2-chloroethoxy)methane	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Bis(2-chloroethyl)ether	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 13:19	1
bis (2-chloroisopropyl) ether	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 13:19	1
Bis(2-ethylhexyl) phthalate	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 13:19	1
Butyl benzyl phthalate	3.2	U	5.0	3.2	ug/L		10/21/24 05:55	10/21/24 13:19	1
Diethyl phthalate	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 13:19	1
Dimethyl phthalate	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
Di-n-butyl phthalate	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 13:19	1
Di-n-octyl phthalate	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 13:19	1
Hexachlorobenzene	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 13:19	1
Hexachlorobutadiene	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 13:19	1
Hexachlorocyclopentadiene	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 13:19	1
Hexachloroethane	3.3	U	10	3.3	ug/L		10/21/24 05:55	10/21/24 13:19	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: MW-DUP**

**Lab Sample ID: 670-49558-5**

Date Collected: 10/16/24 14:10

Matrix: Water

Date Received: 10/17/24 12:20

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
Nitrobenzene	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 13:19	1
N-Nitrosodi-n-propylamine	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 13:19	1
Pentachlorophenol	3.8	U	10	3.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Phenol	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 13:19	1
Diphenylamine	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
N-Nitrosodiphenylamine	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Fluorene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 13:19	1
Acenaphthylene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
Benzo[g,h,i]perylene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 13:19	1
Benzo[k]fluoranthene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 13:19	1
Benzo[a]pyrene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Anthracene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Pyrene	2.4	U	10	2.4	ug/L		10/21/24 05:55	10/21/24 13:19	1
Dibenz(a,h)anthracene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 13:19	1
Naphthalene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 13:19	1
Fluoranthene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 13:19	1
Benzo[a]anthracene	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 13:19	1
Indeno[1,2,3-cd]pyrene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Chrysene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Acenaphthene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 13:19	1
Benzo[b]fluoranthene	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 13:19	1
Phenanthrene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 13:19	1
1-Methylnaphthalene	2.7	U	10	2.7	ug/L		10/21/24 05:55	10/21/24 13:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	64		24 - 137	10/21/24 05:55	10/21/24 13:19	1
2-Fluorobiphenyl	70		32 - 136	10/21/24 05:55	10/21/24 13:19	1
p-Terphenyl-d14 (Surr)	79		52 - 150	10/21/24 05:55	10/21/24 13:19	1
Phenol-d5 (Surr)	30		10 - 140	10/21/24 05:55	10/21/24 13:19	1
2-Fluorophenol (Surr)	42		11 - 140	10/21/24 05:55	10/21/24 13:19	1
2,4,6-Tribromophenol (Surr)	73		33 - 145	10/21/24 05:55	10/21/24 13:19	1

**Method: FL-DEP FL-PRO - Florida - Petroleum Range Organics (GC)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Petroleum Hydrocarbons (C8-C40)</b>	<b>0.49</b>	<b>I</b>	1.0	0.34	mg/L		10/22/24 10:33	10/23/24 11:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	93		66 - 139	10/22/24 10:33	10/23/24 11:52	1
C35 (Surr)	83		40 - 129	10/22/24 10:33	10/23/24 11:52	1

**Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Lead</b>	<b>0.0069</b>		0.0020	0.00024	mg/L		10/17/24 16:18	10/18/24 17:52	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
 Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: FIELD BLANK**

**Lab Sample ID: 670-49558-6**

Date Collected: 10/16/24 16:20

Matrix: Water

Date Received: 10/17/24 12:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/18/24 16:31	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/18/24 16:31	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/18/24 16:31	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/18/24 16:31	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/18/24 16:31	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/18/24 16:31	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/18/24 16:31	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/18/24 16:31	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/18/24 16:31	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/18/24 16:31	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/18/24 16:31	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/18/24 16:31	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/18/24 16:31	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/18/24 16:31	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 16:31	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/18/24 16:31	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/18/24 16:31	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/18/24 16:31	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/18/24 16:31	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/18/24 16:31	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/18/24 16:31	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/18/24 16:31	1
Acetone	25	U	50	25	ug/L			10/18/24 16:31	1
Benzene	0.71	U	1.0	0.71	ug/L			10/18/24 16:31	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 16:31	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/18/24 16:31	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/18/24 16:31	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/18/24 16:31	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/18/24 16:31	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/18/24 16:31	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/18/24 16:31	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/18/24 16:31	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/18/24 16:31	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/18/24 16:31	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/18/24 16:31	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/18/24 16:31	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/18/24 16:31	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/18/24 16:31	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/18/24 16:31	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/18/24 16:31	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/18/24 16:31	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/18/24 16:31	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/18/24 16:31	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/18/24 16:31	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/18/24 16:31	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/18/24 16:31	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/18/24 16:31	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/18/24 16:31	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/18/24 16:31	1

Eurofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: FIELD BLANK**

**Lab Sample ID: 670-49558-6**

Date Collected: 10/16/24 16:20

Matrix: Water

Date Received: 10/17/24 12:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.61	U	1.0	0.61	ug/L			10/18/24 16:31	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/18/24 16:31	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/18/24 16:31	1
Toluene	0.72	U	1.0	0.72	ug/L			10/18/24 16:31	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/18/24 16:31	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/18/24 16:31	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/18/24 16:31	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/18/24 16:31	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/18/24 16:31	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/18/24 16:31	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
Toluene-d8 (Surr)	108		40 - 146					10/18/24 16:31	1
4-Bromofluorobenzene (Surr)	104		41 - 142					10/18/24 16:31	1
Dibromofluoromethane (Surr)	106		53 - 146					10/18/24 16:31	1

**Client Sample ID: RINSATE**

**Lab Sample ID: 670-49558-7**

Date Collected: 10/16/24 16:25

Matrix: Water

Date Received: 10/17/24 12:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/21/24 19:02	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/21/24 19:02	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/21/24 19:02	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/21/24 19:02	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/21/24 19:02	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/21/24 19:02	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/21/24 19:02	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/21/24 19:02	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/21/24 19:02	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/21/24 19:02	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/21/24 19:02	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/21/24 19:02	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/21/24 19:02	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/21/24 19:02	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/21/24 19:02	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/21/24 19:02	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/21/24 19:02	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/21/24 19:02	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/21/24 19:02	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/21/24 19:02	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/21/24 19:02	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/21/24 19:02	1
Acetone	25	U	50	25	ug/L			10/21/24 19:02	1
Benzene	0.71	U	1.0	0.71	ug/L			10/21/24 19:02	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/21/24 19:02	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/21/24 19:02	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/21/24 19:02	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/21/24 19:02	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: RINSATE**

**Lab Sample ID: 670-49558-7**

Date Collected: 10/16/24 16:25

Matrix: Water

Date Received: 10/17/24 12:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.95	U	2.0	0.95	ug/L			10/21/24 19:02	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/21/24 19:02	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/21/24 19:02	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/21/24 19:02	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/21/24 19:02	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/21/24 19:02	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/21/24 19:02	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/21/24 19:02	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/21/24 19:02	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/21/24 19:02	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/21/24 19:02	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/21/24 19:02	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/21/24 19:02	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/21/24 19:02	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/21/24 19:02	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/21/24 19:02	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/21/24 19:02	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/21/24 19:02	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/21/24 19:02	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/21/24 19:02	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/21/24 19:02	1
Styrene	0.61	U	1.0	0.61	ug/L			10/21/24 19:02	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/21/24 19:02	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/21/24 19:02	1
Toluene	0.72	U	1.0	0.72	ug/L			10/21/24 19:02	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/21/24 19:02	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/21/24 19:02	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/21/24 19:02	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/21/24 19:02	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/21/24 19:02	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/21/24 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		40 - 146		10/21/24 19:02	1
Toluene-d8 (Surr)	99		40 - 146		10/22/24 12:14	1
4-Bromofluorobenzene (Surr)	101		41 - 142		10/21/24 19:02	1
4-Bromofluorobenzene (Surr)	101		41 - 142		10/22/24 12:14	1
Dibromofluoromethane (Surr)	106		53 - 146		10/21/24 19:02	1
Dibromofluoromethane (Surr)	100		53 - 146		10/22/24 12:14	1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 670-49558-8**

Date Collected: 10/16/24 16:30

Matrix: Water

Date Received: 10/17/24 12:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/21/24 19:21	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/21/24 19:21	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/21/24 19:21	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/21/24 19:21	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 670-49558-8**

Date Collected: 10/16/24 16:30

Matrix: Water

Date Received: 10/17/24 12:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/21/24 19:21	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/21/24 19:21	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/21/24 19:21	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/21/24 19:21	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/21/24 19:21	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/21/24 19:21	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/21/24 19:21	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/21/24 19:21	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/21/24 19:21	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/21/24 19:21	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/21/24 19:21	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/21/24 19:21	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/21/24 19:21	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/21/24 19:21	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/21/24 19:21	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/21/24 19:21	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/21/24 19:21	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/21/24 19:21	1
Acetone	25	U	50	25	ug/L			10/21/24 19:21	1
Benzene	0.71	U	1.0	0.71	ug/L			10/21/24 19:21	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/21/24 19:21	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/21/24 19:21	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/21/24 19:21	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/21/24 19:21	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/21/24 19:21	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/21/24 19:21	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/21/24 19:21	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/21/24 19:21	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/21/24 19:21	1
<b>Chloroform</b>	<b>96</b>		5.0	0.80	ug/L			10/21/24 19:21	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/21/24 19:21	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/21/24 19:21	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/21/24 19:21	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/21/24 19:21	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/21/24 19:21	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/21/24 19:21	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/21/24 19:21	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/21/24 19:21	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/21/24 19:21	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/21/24 19:21	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/21/24 19:21	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/21/24 19:21	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/21/24 19:21	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/21/24 19:21	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/21/24 19:21	1
Styrene	0.61	U	1.0	0.61	ug/L			10/21/24 19:21	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/21/24 19:21	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/21/24 19:21	1
Toluene	0.72	U	1.0	0.72	ug/L			10/21/24 19:21	1

Euofins Orlando

# Client Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Client Sample ID: TRIP BLANK**

**Lab Sample ID: 670-49558-8**

Date Collected: 10/16/24 16:30

Matrix: Water

Date Received: 10/17/24 12:20

**Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)**

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/21/24 19:21	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/21/24 19:21	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/21/24 19:21	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/21/24 19:21	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/21/24 19:21	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/21/24 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		40 - 146		10/21/24 19:21	1
Toluene-d8 (Surr)	100		40 - 146		10/22/24 11:56	1
4-Bromofluorobenzene (Surr)	100		41 - 142		10/21/24 19:21	1
4-Bromofluorobenzene (Surr)	103		41 - 142		10/22/24 11:56	1
Dibromofluoromethane (Surr)	107		53 - 146		10/21/24 19:21	1
Dibromofluoromethane (Surr)	101		53 - 146		10/22/24 11:56	1

# Surrogate Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		TOL (40-146)	BFB (41-142)	DBFM (53-146)
670-49558-1	MW-1	104	105	106
670-49558-2	MW-2	104	105	108
670-49558-3	MW-3	107	105	103
670-49558-4	MW-4	107	99	105
670-49558-5	MW-DUP	107	101	105
670-49558-6	FIELD BLANK	108	104	106
670-49558-7	RINSATE	98	101	106
670-49558-7	RINSATE	99	101	100
670-49558-8	TRIP BLANK	98	100	107
670-49558-8	TRIP BLANK	100	103	101
LCS 670-116740/4	Lab Control Sample	102	96	98
LCS 670-116988/4	Lab Control Sample	96	95	101
LCS 670-117221/4	Lab Control Sample	100	98	99
MB 670-116740/7	Method Blank	105	100	103
MB 670-116988/8	Method Blank	99	102	103
MB 670-117221/7	Method Blank	99	98	99

### Surrogate Legend

TOL = Toluene-d8 (Surr)  
BFB = 4-Bromofluorobenzene (Surr)  
DBFM = Dibromofluoromethane (Surr)

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		NBZ (24-137)	FBP (32-136)	TPHd14 (52-150)	PHL (10-140)	2FP (11-140)	TBP (33-145)
670-49558-1	MW-1	77	109	118	45	68	133
670-49558-2	MW-2	76	105	110	41	61	121
670-49558-3	MW-3	77	108	110	44	66	123
670-49558-4	MW-4	76	84	97	34	51	92
670-49558-5	MW-DUP	64	70	79	30	42	73
LCS 670-116833/2-A	Lab Control Sample	65	91	101	32	51	97
LCS 670-116970/2-A	Lab Control Sample	79	78	91	34	51	92
LCSD 670-116833/3-A	Lab Control Sample Dup	71	92	103	35	55	110
LCSD 670-116970/3-A	Lab Control Sample Dup	73	71	83	32	48	91
MB 670-116833/1-A	Method Blank	64	89	100	29	49	96
MB 670-116970/1-A	Method Blank	64	61	87	25	41	82

### Surrogate Legend

NBZ = Nitrobenzene-d5 (Surr)  
FBP = 2-Fluorobiphenyl  
TPHd14 = p-Terphenyl-d14 (Surr)  
PHL = Phenol-d5 (Surr)  
2FP = 2-Fluorophenol (Surr)  
TBP = 2,4,6-Tribromophenol (Surr)

# Surrogate Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

**Method: FL-PRO - Florida - Petroleum Range Organics (GC)**

**Matrix: Water**

**Prep Type: Total/NA**

## Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	OTP	C-35
		(66-139)	(40-129)
670-49558-1	MW-1	103	105
670-49558-2	MW-2	98	93
670-49558-3	MW-3	94	86
670-49558-4	MW-4	94	86
670-49558-5	MW-DUP	93	83
LCS 670-117301/2-A	Lab Control Sample	84	83
LCSD 670-117301/3-A	Lab Control Sample Dup	88	88
MB 670-117301/1-A	Method Blank	69	72

### Surrogate Legend

OTP = o- terphenyl (Surr)

C-35 = C35 (Surr)

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS

**Lab Sample ID: MB 670-116740/7**  
**Matrix: Water**  
**Analysis Batch: 116740**

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/18/24 10:49	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/18/24 10:49	1
1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/18/24 10:49	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/18/24 10:49	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/18/24 10:49	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/18/24 10:49	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/18/24 10:49	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/18/24 10:49	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/18/24 10:49	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/18/24 10:49	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/18/24 10:49	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/18/24 10:49	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/18/24 10:49	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/18/24 10:49	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 10:49	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/18/24 10:49	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/18/24 10:49	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/18/24 10:49	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/18/24 10:49	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/18/24 10:49	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/18/24 10:49	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/18/24 10:49	1
Acetone	25	U	50	25	ug/L			10/18/24 10:49	1
Benzene	0.71	U	1.0	0.71	ug/L			10/18/24 10:49	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/18/24 10:49	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/18/24 10:49	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/18/24 10:49	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/18/24 10:49	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/18/24 10:49	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/18/24 10:49	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/18/24 10:49	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/18/24 10:49	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/18/24 10:49	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/18/24 10:49	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/18/24 10:49	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/18/24 10:49	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/18/24 10:49	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/18/24 10:49	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/18/24 10:49	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/18/24 10:49	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/18/24 10:49	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/18/24 10:49	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/18/24 10:49	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/18/24 10:49	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/18/24 10:49	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/18/24 10:49	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/18/24 10:49	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/18/24 10:49	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-116740/7**  
**Matrix: Water**  
**Analysis Batch: 116740**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/18/24 10:49	1
Styrene	0.61	U	1.0	0.61	ug/L			10/18/24 10:49	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/18/24 10:49	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/18/24 10:49	1
Toluene	0.72	U	1.0	0.72	ug/L			10/18/24 10:49	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/18/24 10:49	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/18/24 10:49	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/18/24 10:49	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/18/24 10:49	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/18/24 10:49	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/18/24 10:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	105		40 - 146		10/18/24 10:49	1
4-Bromofluorobenzene (Surr)	100		41 - 142		10/18/24 10:49	1
Dibromofluoromethane (Surr)	103		53 - 146		10/18/24 10:49	1

**Lab Sample ID: LCS 670-116740/4**  
**Matrix: Water**  
**Analysis Batch: 116740**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.3		ug/L		97	54 - 141
1,1,1-Trichloroethane	20.0	20.7		ug/L		103	57 - 148
1,1,2,2-Tetrachloroethane	20.0	21.8		ug/L		109	60 - 139
1,1,2-Trichloroethane	20.0	21.8		ug/L		109	57 - 141
1,1-Dichloroethane	20.0	22.0		ug/L		110	57 - 142
1,1-Dichloroethene	20.0	21.5		ug/L		107	47 - 139
1,1-Dichloropropene	20.0	20.7		ug/L		104	56 - 137
1,2,3-Trichloropropane	20.0	19.7		ug/L		98	57 - 141
1,2,4-Trimethylbenzene	20.0	20.8		ug/L		104	59 - 142
Ethylene Dibromide	20.0	19.5		ug/L		98	57 - 140
1,2-Dichloroethane	20.0	23.6		ug/L		118	50 - 156
1,2-Dichloropropane	20.0	23.3		ug/L		116	61 - 133
1,3,5-Trimethylbenzene	20.0	20.2		ug/L		101	61 - 137
1,3-Dichloropropane	20.0	21.3		ug/L		107	50 - 148
1,3-Dichlorobenzene	20.0	20.5		ug/L		103	66 - 129
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	65 - 133
2,2-Dichloropropane	20.0	19.2		ug/L		96	54 - 146
2-Butanone (MEK)	200	201		ug/L		101	10 - 180
2-Chlorotoluene	20.0	20.7		ug/L		104	64 - 133
2-Hexanone	200	229		ug/L		115	12 - 180
4-Chlorotoluene	20.0	21.9		ug/L		110	62 - 138
4-Methyl-2-pentanone (MIBK)	200	225		ug/L		113	19 - 180
Acetone	200	216		ug/L		108	10 - 180
Benzene	20.0	22.2		ug/L		111	56 - 136
Bromobenzene	20.0	18.7		ug/L		94	59 - 147
Chlorobromomethane	20.0	18.3		ug/L		92	54 - 141

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 670-116740/4**  
**Matrix: Water**  
**Analysis Batch: 116740**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	20.0	21.7		ug/L		109	58 - 135
Bromoform	20.0	17.1		ug/L		86	46 - 148
Bromomethane	20.0	22.7		ug/L		114	10 - 173
Carbon disulfide	20.0	22.6		ug/L		113	43 - 153
Carbon tetrachloride	20.0	21.2		ug/L		106	54 - 156
Chlorobenzene	20.0	21.1		ug/L		105	51 - 139
Chloroethane	20.0	28.2		ug/L		141	27 - 180
Chloroform	20.0	21.5		ug/L		108	58 - 139
Chloromethane	20.0	25.3		ug/L		126	33 - 154
cis-1,2-Dichloroethene	20.0	23.0		ug/L		115	56 - 128
cis-1,3-Dichloropropene	20.0	19.6		ug/L		98	64 - 128
Chlorodibromomethane	20.0	19.1		ug/L		96	50 - 140
Dibromomethane	20.0	20.3		ug/L		102	59 - 143
Dichlorodifluoromethane	20.0	19.1		ug/L		95	10 - 180
Ethylbenzene	20.0	21.7		ug/L		109	63 - 133
Isopropylbenzene	20.0	20.6		ug/L		103	60 - 132
m-Xylene & p-Xylene	20.0	21.4		ug/L		107	64 - 133
Methylene Chloride	20.0	22.2		ug/L		111	43 - 142
Methyl tert-butyl ether	20.0	18.2		ug/L		91	51 - 145
n-Butylbenzene	20.0	22.6		ug/L		113	59 - 148
N-Propylbenzene	20.0	22.5		ug/L		113	63 - 135
o-Xylene	20.0	19.6		ug/L		98	61 - 129
sec-Butylbenzene	20.0	21.6		ug/L		108	63 - 137
Styrene	20.0	20.1		ug/L		100	59 - 136
tert-Butylbenzene	20.0	20.2		ug/L		101	61 - 136
Tetrachloroethene	20.0	19.0		ug/L		95	60 - 147
Toluene	20.0	21.1		ug/L		105	64 - 131
trans-1,2-Dichloroethene	20.0	19.9		ug/L		100	54 - 134
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	65 - 149
Trichloroethene	20.0	19.0		ug/L		95	62 - 135
Trichlorofluoromethane	20.0	21.3		ug/L		107	56 - 155
Vinyl chloride	20.0	22.4		ug/L		112	20 - 167
Xylenes, Total	40.0	41.0		ug/L		103	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	102		40 - 146
4-Bromofluorobenzene (Surr)	96		41 - 142
Dibromofluoromethane (Surr)	98		53 - 146

**Lab Sample ID: MB 670-116988/8**  
**Matrix: Water**  
**Analysis Batch: 116988**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/21/24 12:36	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/21/24 12:36	1
1,1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/21/24 12:36	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/21/24 12:36	1

Euofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-116988/8**  
**Matrix: Water**  
**Analysis Batch: 116988**

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/21/24 12:36	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/21/24 12:36	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/21/24 12:36	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/21/24 12:36	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/21/24 12:36	1
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/21/24 12:36	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/21/24 12:36	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/21/24 12:36	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/21/24 12:36	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/21/24 12:36	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/21/24 12:36	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/21/24 12:36	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/21/24 12:36	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/21/24 12:36	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/21/24 12:36	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/21/24 12:36	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/21/24 12:36	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/21/24 12:36	1
Acetone	25	U	50	25	ug/L			10/21/24 12:36	1
Benzene	0.71	U	1.0	0.71	ug/L			10/21/24 12:36	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/21/24 12:36	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/21/24 12:36	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/21/24 12:36	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/21/24 12:36	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/21/24 12:36	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/21/24 12:36	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/21/24 12:36	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/21/24 12:36	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/21/24 12:36	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/21/24 12:36	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/21/24 12:36	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/21/24 12:36	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/21/24 12:36	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/21/24 12:36	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/21/24 12:36	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/21/24 12:36	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/21/24 12:36	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/21/24 12:36	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/21/24 12:36	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/21/24 12:36	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/21/24 12:36	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/21/24 12:36	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/21/24 12:36	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/21/24 12:36	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/21/24 12:36	1
Styrene	0.61	U	1.0	0.61	ug/L			10/21/24 12:36	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/21/24 12:36	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/21/24 12:36	1
Toluene	0.72	U	1.0	0.72	ug/L			10/21/24 12:36	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-116988/8**  
**Matrix: Water**  
**Analysis Batch: 116988**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/21/24 12:36	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/21/24 12:36	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/21/24 12:36	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/21/24 12:36	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/21/24 12:36	1
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/21/24 12:36	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		40 - 146		10/21/24 12:36	1
4-Bromofluorobenzene (Surr)	102		41 - 142		10/21/24 12:36	1
Dibromofluoromethane (Surr)	103		53 - 146		10/21/24 12:36	1

**Lab Sample ID: LCS 670-116988/4**  
**Matrix: Water**  
**Analysis Batch: 116988**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	19.4		ug/L		97	54 - 141
1,1,1-Trichloroethane	20.0	20.9		ug/L		105	57 - 148
1,1,2,2-Tetrachloroethane	20.0	19.7		ug/L		98	60 - 139
1,1,2-Trichloroethane	20.0	19.7		ug/L		98	57 - 141
1,1-Dichloroethane	20.0	19.4		ug/L		97	57 - 142
1,1-Dichloroethene	20.0	23.3		ug/L		116	47 - 139
1,1-Dichloropropene	20.0	21.1		ug/L		105	56 - 137
1,2,3-Trichloropropane	20.0	19.7		ug/L		98	57 - 141
1,2,4-Trimethylbenzene	20.0	21.1		ug/L		105	59 - 142
Ethylene Dibromide	20.0	18.9		ug/L		95	57 - 140
1,2-Dichloroethane	20.0	19.0		ug/L		95	50 - 156
1,2-Dichloropropane	20.0	19.1		ug/L		96	61 - 133
1,3,5-Trimethylbenzene	20.0	21.3		ug/L		106	61 - 137
1,3-Dichloropropane	20.0	19.1		ug/L		96	50 - 148
1,3-Dichlorobenzene	20.0	19.9		ug/L		99	66 - 129
1,4-Dichlorobenzene	20.0	19.8		ug/L		99	65 - 133
2,2-Dichloropropane	20.0	20.7		ug/L		103	54 - 146
2-Butanone (MEK)	200	181		ug/L		90	10 - 180
2-Chlorotoluene	20.0	19.9		ug/L		99	64 - 133
2-Hexanone	200	185		ug/L		93	12 - 180
4-Chlorotoluene	20.0	20.4		ug/L		102	62 - 138
4-Methyl-2-pentanone (MIBK)	200	179		ug/L		90	19 - 180
Acetone	200	180		ug/L		90	10 - 180
Benzene	20.0	19.1		ug/L		95	56 - 136
Bromobenzene	20.0	19.8		ug/L		99	59 - 147
Chlorobromomethane	20.0	19.2		ug/L		96	54 - 141
Dichlorobromomethane	20.0	19.9		ug/L		99	58 - 135
Bromoform	20.0	19.0		ug/L		95	46 - 148
Bromomethane	20.0	24.2		ug/L		121	10 - 173
Carbon disulfide	20.0	21.2		ug/L		106	43 - 153
Carbon tetrachloride	20.0	21.5		ug/L		107	54 - 156

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 670-116988/4**  
**Matrix: Water**  
**Analysis Batch: 116988**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobenzene	20.0	19.6		ug/L		98	51 - 139
Chloroethane	20.0	30.3		ug/L		152	27 - 180
Chloroform	20.0	19.3		ug/L		97	58 - 139
Chloromethane	20.0	18.6		ug/L		93	33 - 154
cis-1,2-Dichloroethene	20.0	19.1		ug/L		96	56 - 128
cis-1,3-Dichloropropene	20.0	18.1		ug/L		91	64 - 128
Chlorodibromomethane	20.0	19.1		ug/L		95	50 - 140
Dibromomethane	20.0	19.9		ug/L		99	59 - 143
Dichlorodifluoromethane	20.0	24.5		ug/L		122	10 - 180
Ethylbenzene	20.0	20.6		ug/L		103	63 - 133
Isopropylbenzene	20.0	23.1		ug/L		116	60 - 132
m-Xylene & p-Xylene	20.0	19.7		ug/L		99	64 - 133
Methylene Chloride	20.0	19.8		ug/L		99	43 - 142
Methyl tert-butyl ether	20.0	18.4		ug/L		92	51 - 145
n-Butylbenzene	20.0	21.9		ug/L		110	59 - 148
N-Propylbenzene	20.0	21.5		ug/L		108	63 - 135
o-Xylene	20.0	19.5		ug/L		97	61 - 129
sec-Butylbenzene	20.0	22.2		ug/L		111	63 - 137
Styrene	20.0	20.1		ug/L		100	59 - 136
tert-Butylbenzene	20.0	20.6		ug/L		103	61 - 136
Tetrachloroethene	20.0	21.3		ug/L		106	60 - 147
Toluene	20.0	19.3		ug/L		96	64 - 131
trans-1,2-Dichloroethene	20.0	20.9		ug/L		104	54 - 134
trans-1,3-Dichloropropene	20.0	19.9		ug/L		99	65 - 149
Trichloroethene	20.0	19.4		ug/L		97	62 - 135
Trichlorofluoromethane	20.0	27.5		ug/L		138	56 - 155
Vinyl chloride	20.0	22.3		ug/L		111	20 - 167
Xylenes, Total	40.0	39.2		ug/L		98	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	96		40 - 146
4-Bromofluorobenzene (Surr)	95		41 - 142
Dibromofluoromethane (Surr)	101		53 - 146

**Lab Sample ID: MB 670-117221/7**  
**Matrix: Water**  
**Analysis Batch: 117221**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	0.61	U	1.0	0.61	ug/L			10/22/24 11:24	1
1,1,1-Trichloroethane	0.80	U	1.0	0.80	ug/L			10/22/24 11:24	1
1,1,1,2,2-Tetrachloroethane	0.54	U	1.0	0.54	ug/L			10/22/24 11:24	1
1,1,2-Trichloroethane	0.76	U	2.0	0.76	ug/L			10/22/24 11:24	1
1,1-Dichloroethane	0.62	U	1.0	0.62	ug/L			10/22/24 11:24	1
1,1-Dichloroethene	0.94	U	1.0	0.94	ug/L			10/22/24 11:24	1
1,1-Dichloropropene	0.74	U	1.0	0.74	ug/L			10/22/24 11:24	1
1,2,3-Trichloropropane	0.64	U	2.0	0.64	ug/L			10/22/24 11:24	1
1,2,4-Trimethylbenzene	0.69	U	2.0	0.69	ug/L			10/22/24 11:24	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-117221/7**  
**Matrix: Water**  
**Analysis Batch: 117221**

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

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ethylene Dibromide	0.78	U	12	0.78	ug/L			10/22/24 11:24	1
1,2-Dichloroethane	0.63	U	1.0	0.63	ug/L			10/22/24 11:24	1
1,2-Dichloropropane	0.80	U	1.0	0.80	ug/L			10/22/24 11:24	1
1,3,5-Trimethylbenzene	0.58	U	2.0	0.58	ug/L			10/22/24 11:24	1
1,3-Dichloropropane	0.60	U	1.0	0.60	ug/L			10/22/24 11:24	1
1,3-Dichlorobenzene	0.77	U	1.0	0.77	ug/L			10/22/24 11:24	1
1,4-Dichlorobenzene	0.76	U	1.0	0.76	ug/L			10/22/24 11:24	1
2,2-Dichloropropane	0.66	U	5.0	0.66	ug/L			10/22/24 11:24	1
2-Butanone (MEK)	4.5	U	10	4.5	ug/L			10/22/24 11:24	1
2-Chlorotoluene	0.68	U	1.0	0.68	ug/L			10/22/24 11:24	1
2-Hexanone	2.5	U	20	2.5	ug/L			10/22/24 11:24	1
4-Chlorotoluene	0.65	U	2.0	0.65	ug/L			10/22/24 11:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	20	5.0	ug/L			10/22/24 11:24	1
Acetone	25	U	50	25	ug/L			10/22/24 11:24	1
Benzene	0.71	U	1.0	0.71	ug/L			10/22/24 11:24	1
Bromobenzene	0.77	U	1.0	0.77	ug/L			10/22/24 11:24	1
Chlorobromomethane	0.94	U	2.0	0.94	ug/L			10/22/24 11:24	1
Dichlorobromomethane	0.52	U	1.0	0.52	ug/L			10/22/24 11:24	1
Bromoform	0.75	U	1.0	0.75	ug/L			10/22/24 11:24	1
Bromomethane	0.95	U	2.0	0.95	ug/L			10/22/24 11:24	1
Carbon disulfide	2.5	U	5.0	2.5	ug/L			10/22/24 11:24	1
Carbon tetrachloride	0.94	U	1.0	0.94	ug/L			10/22/24 11:24	1
Chlorobenzene	0.72	U	1.0	0.72	ug/L			10/22/24 11:24	1
Chloroethane	0.98	U	2.0	0.98	ug/L			10/22/24 11:24	1
Chloroform	0.80	U	5.0	0.80	ug/L			10/22/24 11:24	1
Chloromethane	0.82	U	2.0	0.82	ug/L			10/22/24 11:24	1
cis-1,2-Dichloroethene	0.53	U	1.0	0.53	ug/L			10/22/24 11:24	1
cis-1,3-Dichloropropene	0.59	U	1.0	0.59	ug/L			10/22/24 11:24	1
Chlorodibromomethane	0.50	U	1.0	0.50	ug/L			10/22/24 11:24	1
Dibromomethane	0.84	U	1.0	0.84	ug/L			10/22/24 11:24	1
Dichlorodifluoromethane	0.74	U	1.0	0.74	ug/L			10/22/24 11:24	1
Ethylbenzene	0.69	U	1.0	0.69	ug/L			10/22/24 11:24	1
Isopropylbenzene	0.67	U	1.0	0.67	ug/L			10/22/24 11:24	1
m-Xylene & p-Xylene	1.3	U	2.0	1.3	ug/L			10/22/24 11:24	1
Methylene Chloride	5.0	U	10	5.0	ug/L			10/22/24 11:24	1
Methyl tert-butyl ether	0.60	U	2.0	0.60	ug/L			10/22/24 11:24	1
n-Butylbenzene	0.70	U	1.0	0.70	ug/L			10/22/24 11:24	1
N-Propylbenzene	0.50	U	1.0	0.50	ug/L			10/22/24 11:24	1
o-Xylene	0.53	U	1.0	0.53	ug/L			10/22/24 11:24	1
sec-Butylbenzene	0.74	U	2.0	0.74	ug/L			10/22/24 11:24	1
Styrene	0.61	U	1.0	0.61	ug/L			10/22/24 11:24	1
tert-Butylbenzene	0.64	U	2.0	0.64	ug/L			10/22/24 11:24	1
Tetrachloroethene	0.76	U	1.0	0.76	ug/L			10/22/24 11:24	1
Toluene	0.72	U	1.0	0.72	ug/L			10/22/24 11:24	1
trans-1,2-Dichloroethene	0.73	U	1.0	0.73	ug/L			10/22/24 11:24	1
trans-1,3-Dichloropropene	0.73	U	1.0	0.73	ug/L			10/22/24 11:24	1
Trichloroethene	0.89	U	1.0	0.89	ug/L			10/22/24 11:24	1
Trichlorofluoromethane	0.94	U	1.0	0.94	ug/L			10/22/24 11:24	1
Vinyl chloride	0.71	U	1.0	0.71	ug/L			10/22/24 11:24	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: MB 670-117221/7**  
**Matrix: Water**  
**Analysis Batch: 117221**

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	1.3	U	2.0	1.3	ug/L			10/22/24 11:24	1
Surrogate	%Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	99		40 - 146					10/22/24 11:24	1
4-Bromofluorobenzene (Surr)	98		41 - 142					10/22/24 11:24	1
Dibromofluoromethane (Surr)	99		53 - 146					10/22/24 11:24	1

**Lab Sample ID: LCS 670-117221/4**  
**Matrix: Water**  
**Analysis Batch: 117221**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	20.0	20.6		ug/L		103	54 - 141
1,1,1-Trichloroethane	20.0	20.2		ug/L		101	57 - 148
1,1,2,2-Tetrachloroethane	20.0	20.7		ug/L		103	60 - 139
1,1,2-Trichloroethane	20.0	20.2		ug/L		101	57 - 141
1,1-Dichloroethane	20.0	19.9		ug/L		99	57 - 142
1,1-Dichloroethene	20.0	19.8		ug/L		99	47 - 139
1,1-Dichloropropene	20.0	19.1		ug/L		96	56 - 137
1,2,3-Trichloropropane	20.0	19.4		ug/L		97	57 - 141
1,2,4-Trimethylbenzene	20.0	19.4		ug/L		97	59 - 142
Ethylene Dibromide	20.0	18.9		ug/L		95	57 - 140
1,2-Dichloroethane	20.0	19.2		ug/L		96	50 - 156
1,2-Dichloropropane	20.0	19.8		ug/L		99	61 - 133
1,3,5-Trimethylbenzene	20.0	19.9		ug/L		100	61 - 137
1,3-Dichloropropane	20.0	20.1		ug/L		101	50 - 148
1,3-Dichlorobenzene	20.0	20.2		ug/L		101	66 - 129
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	65 - 133
2,2-Dichloropropane	20.0	19.8		ug/L		99	54 - 146
2-Butanone (MEK)	200	199		ug/L		100	10 - 180
2-Chlorotoluene	20.0	20.8		ug/L		104	64 - 133
2-Hexanone	200	157		ug/L		79	12 - 180
4-Chlorotoluene	20.0	20.0		ug/L		100	62 - 138
4-Methyl-2-pentanone (MIBK)	200	159		ug/L		79	19 - 180
Acetone	200	164		ug/L		82	10 - 180
Benzene	20.0	20.3		ug/L		102	56 - 136
Bromobenzene	20.0	21.1		ug/L		106	59 - 147
Chlorobromomethane	20.0	20.1		ug/L		100	54 - 141
Dichlorobromomethane	20.0	20.4		ug/L		102	58 - 135
Bromoform	20.0	18.8		ug/L		94	46 - 148
Bromomethane	20.0	17.0		ug/L		85	10 - 173
Carbon disulfide	20.0	20.0		ug/L		100	43 - 153
Carbon tetrachloride	20.0	18.6		ug/L		93	54 - 156
Chlorobenzene	20.0	20.5		ug/L		102	51 - 139
Chloroethane	20.0	19.7		ug/L		99	27 - 180
Chloroform	20.0	20.2		ug/L		101	58 - 139
Chloromethane	20.0	15.8		ug/L		79	33 - 154
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	56 - 128

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

**Lab Sample ID: LCS 670-117221/4**  
**Matrix: Water**  
**Analysis Batch: 117221**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.3		ug/L		96	64 - 128
Chlorodibromomethane	20.0	19.0		ug/L		95	50 - 140
Dibromomethane	20.0	20.5		ug/L		103	59 - 143
Dichlorodifluoromethane	20.0	15.5		ug/L		77	10 - 180
Ethylbenzene	20.0	19.3		ug/L		96	63 - 133
Isopropylbenzene	20.0	22.1		ug/L		111	60 - 132
m-Xylene & p-Xylene	20.0	19.5		ug/L		98	64 - 133
Methylene Chloride	20.0	21.2		ug/L		106	43 - 142
Methyl tert-butyl ether	20.0	19.6		ug/L		98	51 - 145
n-Butylbenzene	20.0	19.3		ug/L		96	59 - 148
N-Propylbenzene	20.0	20.3		ug/L		101	63 - 135
o-Xylene	20.0	19.2		ug/L		96	61 - 129
sec-Butylbenzene	20.0	19.6		ug/L		98	63 - 137
Styrene	20.0	18.8		ug/L		94	59 - 136
tert-Butylbenzene	20.0	21.2		ug/L		106	61 - 136
Tetrachloroethene	20.0	20.3		ug/L		101	60 - 147
Toluene	20.0	19.8		ug/L		99	64 - 131
trans-1,2-Dichloroethene	20.0	20.0		ug/L		100	54 - 134
trans-1,3-Dichloropropene	20.0	19.0		ug/L		95	65 - 149
Trichloroethene	20.0	20.7		ug/L		104	62 - 135
Trichlorofluoromethane	20.0	20.0		ug/L		100	56 - 155
Vinyl chloride	20.0	17.5		ug/L		88	20 - 167
Xylenes, Total	40.0	38.7		ug/L		97	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	100		40 - 146
4-Bromofluorobenzene (Surr)	98		41 - 142
Dibromofluoromethane (Surr)	99		53 - 146

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

**Lab Sample ID: MB 670-116833/1-A**  
**Matrix: Water**  
**Analysis Batch: 116955**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116833**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	3.3	U	10	3.3	ug/L		10/18/24 12:06	10/19/24 15:04	1
2,4,6-Trichlorophenol	3.5	U	10	3.5	ug/L		10/18/24 12:06	10/19/24 15:04	1
2,4-Dichlorophenol	2.9	U	10	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
2,4-Dimethylphenol	3.0	U	10	3.0	ug/L		10/18/24 12:06	10/19/24 15:04	1
2,4-Dinitrophenol	2.8	U	10	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
2,4-Dinitrotoluene	2.9	U	5.0	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
2,6-Dinitrotoluene	2.9	U	10	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
2-Chloronaphthalene	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
2-Chlorophenol	3.2	U	10	3.2	ug/L		10/18/24 12:06	10/19/24 15:04	1
4,6-Dinitro-2-methylphenol	2.7	U	10	2.7	ug/L		10/18/24 12:06	10/19/24 15:04	1
2-Methylnaphthalene	2.7	U	5.0	2.7	ug/L		10/18/24 12:06	10/19/24 15:04	1
2-Methylphenol	2.5	U	5.0	2.5	ug/L		10/18/24 12:06	10/19/24 15:04	1
2-Nitrophenol	2.9	U	10	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: MB 670-116833/1-A**  
**Matrix: Water**  
**Analysis Batch: 116955**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116833**

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
3 & 4 Methylphenol	3.1	U	10	3.1	ug/L		10/18/24 12:06	10/19/24 15:04	1
3,3'-Dichlorobenzidine	4.4	U	10	4.4	ug/L		10/18/24 12:06	10/19/24 15:04	1
4-Bromophenyl phenyl ether	2.5	U	10	2.5	ug/L		10/18/24 12:06	10/19/24 15:04	1
4-Chloro-3-methylphenol	2.9	U	10	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
4-Chlorophenyl phenyl ether	2.3	U	10	2.3	ug/L		10/18/24 12:06	10/19/24 15:04	1
4-Nitrophenol	2.5	U	10	2.5	ug/L		10/18/24 12:06	10/19/24 15:04	1
Bis(2-chloroethoxy)methane	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Bis(2-chloroethyl)ether	3.1	U	5.0	3.1	ug/L		10/18/24 12:06	10/19/24 15:04	1
bis (2-chloroisopropyl) ether	3.0	U	5.0	3.0	ug/L		10/18/24 12:06	10/19/24 15:04	1
Bis(2-ethylhexyl) phthalate	3.1	U	5.0	3.1	ug/L		10/18/24 12:06	10/19/24 15:04	1
Butyl benzyl phthalate	3.2	U	5.0	3.2	ug/L		10/18/24 12:06	10/19/24 15:04	1
Diethyl phthalate	2.7	U	5.0	2.7	ug/L		10/18/24 12:06	10/19/24 15:04	1
Dimethyl phthalate	2.9	U	5.0	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
Di-n-butyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 12:06	10/19/24 15:04	1
Di-n-octyl phthalate	3.0	U	5.0	3.0	ug/L		10/18/24 12:06	10/19/24 15:04	1
Hexachlorobenzene	2.5	U	10	2.5	ug/L		10/18/24 12:06	10/19/24 15:04	1
Hexachlorobutadiene	3.2	U	10	3.2	ug/L		10/18/24 12:06	10/19/24 15:04	1
Hexachlorocyclopentadiene	3.2	U	10	3.2	ug/L		10/18/24 12:06	10/19/24 15:04	1
Hexachloroethane	3.3	U	10	3.3	ug/L		10/18/24 12:06	10/19/24 15:04	1
Isophorone	2.9	U	5.0	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
Nitrobenzene	3.1	U	5.0	3.1	ug/L		10/18/24 12:06	10/19/24 15:04	1
N-Nitrosodi-n-propylamine	3.0	U	5.0	3.0	ug/L		10/18/24 12:06	10/19/24 15:04	1
Pentachlorophenol	3.8	U	10	3.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Phenol	2.5	U	10	2.5	ug/L		10/18/24 12:06	10/19/24 15:04	1
Diphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
N-Nitrosodiphenylamine	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Fluorene	2.6	U	5.0	2.6	ug/L		10/18/24 12:06	10/19/24 15:04	1
Acenaphthylene	2.9	U	5.0	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
Benzo[g,h,i]perylene	2.6	U	5.0	2.6	ug/L		10/18/24 12:06	10/19/24 15:04	1
Benzo[k]fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 12:06	10/19/24 15:04	1
Benzo[a]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Anthracene	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Pyrene	2.4	U	10	2.4	ug/L		10/18/24 12:06	10/19/24 15:04	1
Dibenz(a,h)anthracene	2.6	U	5.0	2.6	ug/L		10/18/24 12:06	10/19/24 15:04	1
Naphthalene	2.9	U	5.0	2.9	ug/L		10/18/24 12:06	10/19/24 15:04	1
Fluoranthene	2.7	U	5.0	2.7	ug/L		10/18/24 12:06	10/19/24 15:04	1
Benzo[a]anthracene	3.0	U	5.0	3.0	ug/L		10/18/24 12:06	10/19/24 15:04	1
Indeno[1,2,3-cd]pyrene	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Chrysene	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Acenaphthene	2.8	U	5.0	2.8	ug/L		10/18/24 12:06	10/19/24 15:04	1
Benzo[b]fluoranthene	3.1	U	5.0	3.1	ug/L		10/18/24 12:06	10/19/24 15:04	1
Phenanthrene	2.7	U	5.0	2.7	ug/L		10/18/24 12:06	10/19/24 15:04	1
1-Methylnaphthalene	2.7	U	10	2.7	ug/L		10/18/24 12:06	10/19/24 15:04	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	64		24 - 137	10/18/24 12:06	10/19/24 15:04	1
2-Fluorobiphenyl	89		32 - 136	10/18/24 12:06	10/19/24 15:04	1
p-Terphenyl-d14 (Surr)	100		52 - 150	10/18/24 12:06	10/19/24 15:04	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: MB 670-116833/1-A**  
**Matrix: Water**  
**Analysis Batch: 116955**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116833**

<i>Surrogate</i>	<i>MB</i>	<i>MB</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	%Recovery	Qualifier				
<i>Phenol-d5 (Surr)</i>	29		10 - 140	10/18/24 12:06	10/19/24 15:04	1
<i>2-Fluorophenol (Surr)</i>	49		11 - 140	10/18/24 12:06	10/19/24 15:04	1
<i>2,4,6-Tribromophenol (Surr)</i>	96		33 - 145	10/18/24 12:06	10/19/24 15:04	1

**Lab Sample ID: LCS 670-116833/2-A**  
**Matrix: Water**  
**Analysis Batch: 116955**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116833**

<i>Analyte</i>	<i>Spike</i>	<i>LCS</i>	<i>LCS</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>	<i>Limits</i>
	Added	Result	Qualifier					
2,4,5-Trichlorophenol	80.0	79.3		ug/L		99		35 - 130
2,4,6-Trichlorophenol	80.0	83.2		ug/L		104		32 - 127
2,4-Dichlorophenol	80.0	73.8		ug/L		92		20 - 132
2,4-Dimethylphenol	80.0	62.8		ug/L		79		20 - 132
2,4-Dinitrophenol	80.0	85.8		ug/L		107		5 - 156
2,4-Dinitrotoluene	80.0	81.3		ug/L		102		52 - 158
2,6-Dinitrotoluene	80.0	72.4		ug/L		91		47 - 134
2-Chloronaphthalene	80.0	61.2		ug/L		77		11 - 136
2-Chlorophenol	80.0	61.3		ug/L		77		17 - 130
4,6-Dinitro-2-methylphenol	80.0	84.9		ug/L		106		5 - 151
2-Methylnaphthalene	80.0	61.7		ug/L		77		10 - 137
2-Methylphenol	80.0	55.2		ug/L		69		19 - 106
2-Nitrophenol	80.0	70.7		ug/L		88		16 - 116
3 & 4 Methylphenol	80.0	53.4		ug/L		67		10 - 111
3,3'-Dichlorobenzidine	80.0	78.5		ug/L		98		5 - 180
4-Bromophenyl phenyl ether	80.0	73.7		ug/L		92		35 - 134
4-Chloro-3-methylphenol	80.0	67.0		ug/L		84		35 - 131
4-Chlorophenyl phenyl ether	80.0	75.3		ug/L		94		28 - 132
4-Nitrophenol	80.0	35.9		ug/L		45		10 - 134
Bis(2-chloroethoxy)methane	80.0	60.2		ug/L		75		23 - 126
Bis(2-chloroethyl)ether	80.0	58.0		ug/L		73		10 - 150
bis (2-chloroisopropyl) ether	80.0	35.4		ug/L		44		10 - 130
Bis(2-ethylhexyl) phthalate	80.0	77.0		ug/L		96		52 - 165
Butyl benzyl phthalate	80.0	75.4		ug/L		94		41 - 175
Diethyl phthalate	80.0	74.0		ug/L		92		34 - 168
Dimethyl phthalate	80.0	75.7		ug/L		95		45 - 136
Di-n-butyl phthalate	80.0	74.3		ug/L		93		40 - 169
Di-n-octyl phthalate	80.0	75.4		ug/L		94		38 - 172
Hexachlorobenzene	80.0	77.5		ug/L		97		45 - 128
Hexachlorobutadiene	80.0	55.3		ug/L		69		10 - 110
Hexachlorocyclopentadiene	80.0	60.9		ug/L		76		10 - 134
Hexachloroethane	80.0	43.6		ug/L		55		10 - 135
Isophorone	80.0	56.8		ug/L		71		24 - 131
Nitrobenzene	80.0	53.2		ug/L		66		26 - 130
N-Nitrosodi-n-propylamine	80.0	50.5		ug/L		63		26 - 135
Pentachlorophenol	80.0	78.4		ug/L		98		5 - 139
Phenol	80.0	26.4		ug/L		33		10 - 136
Diphenylamine	80.0	76.2		ug/L		95		39 - 136
N-Nitrosodiphenylamine	80.0	76.2		ug/L		95		39 - 136

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: LCS 670-116833/2-A**  
**Matrix: Water**  
**Analysis Batch: 116955**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116833**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Fluorene	80.0	72.9		ug/L		91	29 - 160
Acenaphthylene	80.0	68.0		ug/L		85	24 - 133
Benzo[g,h,i]perylene	80.0	77.9		ug/L		97	31 - 147
Benzo[k]fluoranthene	80.0	71.9		ug/L		90	54 - 169
Benzo[a]pyrene	80.0	74.7		ug/L		93	54 - 151
Anthracene	80.0	72.9		ug/L		91	50 - 143
Pyrene	80.0	74.6		ug/L		93	53 - 148
Dibenz(a,h)anthracene	80.0	77.3		ug/L		97	32 - 144
Naphthalene	80.0	56.5		ug/L		71	10 - 138
Fluoranthene	80.0	74.9		ug/L		94	51 - 155
Benzo[a]anthracene	80.0	73.4		ug/L		92	52 - 148
Indeno[1,2,3-cd]pyrene	80.0	76.4		ug/L		96	34 - 133
Chrysene	80.0	71.5		ug/L		89	52 - 149
Acenaphthene	80.0	70.3		ug/L		88	22 - 130
Benzo[b]fluoranthene	80.0	73.7		ug/L		92	53 - 153
Phenanthrene	80.0	72.5		ug/L		91	49 - 141
1-Methylnaphthalene	80.0	61.4		ug/L		77	10 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	65		24 - 137
2-Fluorobiphenyl	91		32 - 136
p-Terphenyl-d14 (Surr)	101		52 - 150
Phenol-d5 (Surr)	32		10 - 140
2-Fluorophenol (Surr)	51		11 - 140
2,4,6-Tribromophenol (Surr)	97		33 - 145

**Lab Sample ID: LCSD 670-116833/3-A**  
**Matrix: Water**  
**Analysis Batch: 116955**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 116833**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	80.0	80.3		ug/L		100	35 - 130	1	30
2,4,6-Trichlorophenol	80.0	79.5		ug/L		99	32 - 127	5	30
2,4-Dichlorophenol	80.0	72.4		ug/L		90	20 - 132	2	30
2,4-Dimethylphenol	80.0	64.4		ug/L		80	20 - 132	2	30
2,4-Dinitrophenol	80.0	89.2		ug/L		111	5 - 156	4	40
2,4-Dinitrotoluene	80.0	84.6		ug/L		106	52 - 158	4	30
2,6-Dinitrotoluene	80.0	79.2		ug/L		99	47 - 134	9	30
2-Chloronaphthalene	80.0	64.4		ug/L		80	11 - 136	5	30
2-Chlorophenol	80.0	67.2		ug/L		84	17 - 130	9	30
4,6-Dinitro-2-methylphenol	80.0	85.7		ug/L		107	5 - 151	1	30
2-Methylnaphthalene	80.0	64.4		ug/L		81	10 - 137	4	30
2-Methylphenol	80.0	60.1		ug/L		75	19 - 106	8	30
2-Nitrophenol	80.0	76.2		ug/L		95	16 - 116	7	30
3 & 4 Methylphenol	80.0	56.2		ug/L		70	10 - 111	5	30
3,3'-Dichlorobenzidine	80.0	76.1		ug/L		95	5 - 180	3	30
4-Bromophenyl phenyl ether	80.0	77.8		ug/L		97	35 - 134	5	30
4-Chloro-3-methylphenol	80.0	68.5		ug/L		86	35 - 131	2	30

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: LCSD 670-116833/3-A**  
**Matrix: Water**  
**Analysis Batch: 116955**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 116833**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
4-Chlorophenyl phenyl ether	80.0	75.6		ug/L		94	28 - 132	0	30	
4-Nitrophenol	80.0	36.5		ug/L		46	10 - 134	2	30	
Bis(2-chloroethoxy)methane	80.0	59.9		ug/L		75	23 - 126	0	30	
Bis(2-chloroethyl)ether	80.0	64.0		ug/L		80	10 - 150	10	30	
bis (2-chloroisopropyl) ether	80.0	42.4		ug/L		53	10 - 130	18	30	
Bis(2-ethylhexyl) phthalate	80.0	77.1		ug/L		96	52 - 165	0	30	
Butyl benzyl phthalate	80.0	75.2		ug/L		94	41 - 175	0	30	
Diethyl phthalate	80.0	76.5		ug/L		96	34 - 168	3	30	
Dimethyl phthalate	80.0	75.5		ug/L		94	45 - 136	0	30	
Di-n-butyl phthalate	80.0	76.5		ug/L		96	40 - 169	3	30	
Di-n-octyl phthalate	80.0	77.7		ug/L		97	38 - 172	3	30	
Hexachlorobenzene	80.0	78.4		ug/L		98	45 - 128	1	30	
Hexachlorobutadiene	80.0	63.1		ug/L		79	10 - 110	13	30	
Hexachlorocyclopentadiene	80.0	62.5		ug/L		78	10 - 134	3	30	
Hexachloroethane	80.0	48.9		ug/L		61	10 - 135	11	30	
Isophorone	80.0	58.0		ug/L		73	24 - 131	2	30	
Nitrobenzene	80.0	56.1		ug/L		70	26 - 130	5	30	
N-Nitrosodi-n-propylamine	80.0	55.4		ug/L		69	26 - 135	9	30	
Pentachlorophenol	80.0	80.8		ug/L		101	5 - 139	3	30	
Phenol	80.0	29.3		ug/L		37	10 - 136	10	30	
Diphenylamine	80.0	74.2		ug/L		93	39 - 136	3	30	
N-Nitrosodiphenylamine	80.0	74.1		ug/L		93	39 - 136	3	30	
Fluorene	80.0	74.4		ug/L		93	29 - 160	2	30	
Acenaphthylene	80.0	69.1		ug/L		86	24 - 133	2	30	
Benzo[g,h,i]perylene	80.0	79.2		ug/L		99	31 - 147	2	30	
Benzo[k]fluoranthene	80.0	81.8		ug/L		102	54 - 169	13	30	
Benzo[a]pyrene	80.0	74.3		ug/L		93	54 - 151	1	30	
Anthracene	80.0	74.6		ug/L		93	50 - 143	2	30	
Pyrene	80.0	75.4		ug/L		94	53 - 148	1	30	
Dibenz(a,h)anthracene	80.0	78.6		ug/L		98	32 - 144	2	30	
Naphthalene	80.0	59.7		ug/L		75	10 - 138	6	30	
Fluoranthene	80.0	75.5		ug/L		94	51 - 155	1	30	
Benzo[a]anthracene	80.0	74.5		ug/L		93	52 - 148	2	30	
Indeno[1,2,3-cd]pyrene	80.0	77.5		ug/L		97	34 - 133	1	30	
Chrysene	80.0	72.1		ug/L		90	52 - 149	1	30	
Acenaphthene	80.0	70.9		ug/L		89	22 - 130	1	30	
Benzo[b]fluoranthene	80.0	70.7		ug/L		88	53 - 153	4	30	
Phenanthrene	80.0	75.0		ug/L		94	49 - 141	3	30	
1-Methylnaphthalene	80.0	65.0		ug/L		81	10 - 134	6	30	

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Nitrobenzene-d5 (Surr)	71		24 - 137
2-Fluorobiphenyl	92		32 - 136
p-Terphenyl-d14 (Surr)	103		52 - 150
Phenol-d5 (Surr)	35		10 - 140
2-Fluorophenol (Surr)	55		11 - 140
2,4,6-Tribromophenol (Surr)	110		33 - 145

# QC Sample Results

Client: PPM Consultants, Inc.  
 Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: MB 670-116970/1-A**  
**Matrix: Water**  
**Analysis Batch: 117011**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116970**

Analyte	MB	MB	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4,5-Trichlorophenol	3.3	U	10	3.3	ug/L		10/21/24 05:55	10/21/24 12:39	1
2,4,6-Trichlorophenol	3.5	U	10	3.5	ug/L		10/21/24 05:55	10/21/24 12:39	1
2,4-Dichlorophenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
2,4-Dimethylphenol	3.0	U	10	3.0	ug/L		10/21/24 05:55	10/21/24 12:39	1
2,4-Dinitrophenol	2.8	U	10	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
2,4-Dinitrotoluene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
2,6-Dinitrotoluene	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
2-Chloronaphthalene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
2-Chlorophenol	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 12:39	1
4,6-Dinitro-2-methylphenol	2.7	U	10	2.7	ug/L		10/21/24 05:55	10/21/24 12:39	1
2-Methylnaphthalene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:39	1
2-Methylphenol	2.5	U	5.0	2.5	ug/L		10/21/24 05:55	10/21/24 12:39	1
2-Nitrophenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
3 & 4 Methylphenol	3.1	U	10	3.1	ug/L		10/21/24 05:55	10/21/24 12:39	1
3,3'-Dichlorobenzidine	4.4	U	10	4.4	ug/L		10/21/24 05:55	10/21/24 12:39	1
4-Bromophenyl phenyl ether	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:39	1
4-Chloro-3-methylphenol	2.9	U	10	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
4-Chlorophenyl phenyl ether	2.3	U	10	2.3	ug/L		10/21/24 05:55	10/21/24 12:39	1
4-Nitrophenol	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:39	1
Bis(2-chloroethoxy)methane	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Bis(2-chloroethyl)ether	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:39	1
bis (2-chloroisopropyl) ether	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:39	1
Bis(2-ethylhexyl) phthalate	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:39	1
Butyl benzyl phthalate	3.2	U	5.0	3.2	ug/L		10/21/24 05:55	10/21/24 12:39	1
Diethyl phthalate	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:39	1
Dimethyl phthalate	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
Di-n-butyl phthalate	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:39	1
Di-n-octyl phthalate	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:39	1
Hexachlorobenzene	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:39	1
Hexachlorobutadiene	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 12:39	1
Hexachlorocyclopentadiene	3.2	U	10	3.2	ug/L		10/21/24 05:55	10/21/24 12:39	1
Hexachloroethane	3.3	U	10	3.3	ug/L		10/21/24 05:55	10/21/24 12:39	1
Isophorone	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
Nitrobenzene	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:39	1
N-Nitrosodi-n-propylamine	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:39	1
Pentachlorophenol	3.8	U	10	3.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Phenol	2.5	U	10	2.5	ug/L		10/21/24 05:55	10/21/24 12:39	1
Diphenylamine	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
N-Nitrosodiphenylamine	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Fluorene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 12:39	1
Acenaphthylene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1
Benzo[g,h,i]perylene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 12:39	1
Benzo[k]fluoranthene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:39	1
Benzo[a]pyrene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Anthracene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Pyrene	2.4	U	10	2.4	ug/L		10/21/24 05:55	10/21/24 12:39	1
Dibenz(a,h)anthracene	2.6	U	5.0	2.6	ug/L		10/21/24 05:55	10/21/24 12:39	1
Naphthalene	2.9	U	5.0	2.9	ug/L		10/21/24 05:55	10/21/24 12:39	1

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: MB 670-116970/1-A**  
**Matrix: Water**  
**Analysis Batch: 117011**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 116970**

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Fluoranthene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:39	1
Benzo[a]anthracene	3.0	U	5.0	3.0	ug/L		10/21/24 05:55	10/21/24 12:39	1
Indeno[1,2,3-cd]pyrene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Chrysene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Acenaphthene	2.8	U	5.0	2.8	ug/L		10/21/24 05:55	10/21/24 12:39	1
Benzo[b]fluoranthene	3.1	U	5.0	3.1	ug/L		10/21/24 05:55	10/21/24 12:39	1
Phenanthrene	2.7	U	5.0	2.7	ug/L		10/21/24 05:55	10/21/24 12:39	1
1-Methylnaphthalene	2.7	U	10	2.7	ug/L		10/21/24 05:55	10/21/24 12:39	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Nitrobenzene-d5 (Surr)	64		24 - 137	10/21/24 05:55	10/21/24 12:39	1
2-Fluorobiphenyl	61		32 - 136	10/21/24 05:55	10/21/24 12:39	1
p-Terphenyl-d14 (Surr)	87		52 - 150	10/21/24 05:55	10/21/24 12:39	1
Phenol-d5 (Surr)	25		10 - 140	10/21/24 05:55	10/21/24 12:39	1
2-Fluorophenol (Surr)	41		11 - 140	10/21/24 05:55	10/21/24 12:39	1
2,4,6-Tribromophenol (Surr)	82		33 - 145	10/21/24 05:55	10/21/24 12:39	1

**Lab Sample ID: LCS 670-116970/2-A**  
**Matrix: Water**  
**Analysis Batch: 117011**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116970**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2,4,6-Trichlorophenol	80.0	74.7		ug/L		93	32 - 127
2,4-Dichlorophenol	80.0	68.7		ug/L		86	20 - 132
2,4-Dimethylphenol	80.0	67.2		ug/L		84	20 - 132
2,4-Dinitrophenol	80.0	41.2		ug/L		52	5 - 156
2,4-Dinitrotoluene	80.0	77.1		ug/L		96	52 - 158
2,6-Dinitrotoluene	80.0	73.6		ug/L		92	47 - 134
2-Chloronaphthalene	80.0	62.0		ug/L		77	11 - 136
2-Chlorophenol	80.0	62.4		ug/L		78	17 - 130
4,6-Dinitro-2-methylphenol	80.0	79.1		ug/L		99	5 - 151
2-Methylnaphthalene	80.0	61.1		ug/L		76	10 - 137
2-Methylphenol	80.0	59.3		ug/L		74	19 - 106
2-Nitrophenol	80.0	68.8		ug/L		86	16 - 116
3 & 4 Methylphenol	80.0	56.6		ug/L		71	10 - 111
3,3'-Dichlorobenzidine	80.0	75.6		ug/L		94	5 - 180
4-Bromophenyl phenyl ether	80.0	71.8		ug/L		90	35 - 134
4-Chloro-3-methylphenol	80.0	68.3		ug/L		85	35 - 131
4-Chlorophenyl phenyl ether	80.0	68.7		ug/L		86	28 - 132
4-Nitrophenol	80.0	45.4		ug/L		57	10 - 134
Bis(2-chloroethoxy)methane	80.0	67.8		ug/L		85	23 - 126
Bis(2-chloroethyl)ether	80.0	62.2		ug/L		78	10 - 150
bis (2-chloroisopropyl) ether	80.0	71.1		ug/L		89	10 - 130
Bis(2-ethylhexyl) phthalate	80.0	71.8		ug/L		90	52 - 165
Butyl benzyl phthalate	80.0	69.9		ug/L		87	41 - 175
Diethyl phthalate	80.0	73.0		ug/L		91	34 - 168
Dimethyl phthalate	80.0	69.8		ug/L		87	45 - 136

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: LCS 670-116970/2-A**  
**Matrix: Water**  
**Analysis Batch: 117011**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 116970**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Di-n-butyl phthalate	80.0	73.9		ug/L		92	40 - 169
Di-n-octyl phthalate	80.0	72.5		ug/L		91	38 - 172
Hexachlorobenzene	80.0	71.3		ug/L		89	45 - 128
Hexachlorobutadiene	80.0	46.0		ug/L		58	10 - 110
Hexachlorocyclopentadiene	80.0	55.7		ug/L		70	10 - 134
Hexachloroethane	80.0	37.8		ug/L		47	10 - 135
Isophorone	80.0	68.1		ug/L		85	24 - 131
Nitrobenzene	80.0	66.2		ug/L		83	26 - 130
N-Nitrosodi-n-propylamine	80.0	69.0		ug/L		86	26 - 135
Pentachlorophenol	80.0	77.8		ug/L		97	5 - 139
Phenol	80.0	29.0		ug/L		36	10 - 136
Diphenylamine	80.0	70.3		ug/L		88	39 - 136
N-Nitrosodiphenylamine	80.0	70.3		ug/L		88	39 - 136
Fluorene	80.0	70.4		ug/L		88	29 - 160
Acenaphthylene	80.0	67.5		ug/L		84	24 - 133
Benzo[g,h,i]perylene	80.0	87.1		ug/L		109	31 - 147
Benzo[k]fluoranthene	80.0	85.2		ug/L		107	54 - 169
Benzo[a]pyrene	80.0	82.8		ug/L		104	54 - 151
Anthracene	80.0	71.2		ug/L		89	50 - 143
Pyrene	80.0	71.4		ug/L		89	53 - 148
Dibenz(a,h)anthracene	80.0	87.6		ug/L		109	32 - 144
Naphthalene	80.0	55.9		ug/L		70	10 - 138
Fluoranthene	80.0	72.4		ug/L		91	51 - 155
Benzo[a]anthracene	80.0	68.2		ug/L		85	52 - 148
Indeno[1,2,3-cd]pyrene	80.0	85.8		ug/L		107	34 - 133
Chrysene	80.0	68.4		ug/L		85	52 - 149
Acenaphthene	80.0	69.8		ug/L		87	22 - 130
Benzo[b]fluoranthene	80.0	81.9		ug/L		102	53 - 153
Phenanthrene	80.0	71.3		ug/L		89	49 - 141
1-Methylnaphthalene	80.0	62.5		ug/L		78	10 - 134

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	79		24 - 137
2-Fluorobiphenyl	78		32 - 136
p-Terphenyl-d14 (Surr)	91		52 - 150
Phenol-d5 (Surr)	34		10 - 140
2-Fluorophenol (Surr)	51		11 - 140
2,4,6-Tribromophenol (Surr)	92		33 - 145

**Lab Sample ID: LCSD 670-116970/3-A**  
**Matrix: Water**  
**Analysis Batch: 117011**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 116970**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	80.0	69.3		ug/L		87	35 - 130	4	30
2,4,6-Trichlorophenol	80.0	68.3		ug/L		85	32 - 127	9	30
2,4-Dichlorophenol	80.0	65.6		ug/L		82	20 - 132	5	30
2,4-Dimethylphenol	80.0	63.0		ug/L		79	20 - 132	7	30

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: LCSD 670-116970/3-A**  
**Matrix: Water**  
**Analysis Batch: 117011**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 116970**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	RPD Limit
							Limits	RPD		
2,4-Dinitrophenol	80.0	76.7	J3	ug/L		96	5 - 156	60	40	
2,4-Dinitrotoluene	80.0	71.9		ug/L		90	52 - 158	7	30	
2,6-Dinitrotoluene	80.0	67.2		ug/L		84	47 - 134	9	30	
2-Chloronaphthalene	80.0	57.0		ug/L		71	11 - 136	8	30	
2-Chlorophenol	80.0	59.9		ug/L		75	17 - 130	4	30	
4,6-Dinitro-2-methylphenol	80.0	78.6		ug/L		98	5 - 151	1	30	
2-Methylnaphthalene	80.0	58.7		ug/L		73	10 - 137	4	30	
2-Methylphenol	80.0	57.3		ug/L		72	19 - 106	3	30	
2-Nitrophenol	80.0	66.3		ug/L		83	16 - 116	4	30	
3 & 4 Methylphenol	80.0	51.0		ug/L		64	10 - 111	10	30	
3,3'-Dichlorobenzidine	80.0	69.1		ug/L		86	5 - 180	9	30	
4-Bromophenyl phenyl ether	80.0	65.9		ug/L		82	35 - 134	9	30	
4-Chloro-3-methylphenol	80.0	64.4		ug/L		81	35 - 131	6	30	
4-Chlorophenyl phenyl ether	80.0	65.2		ug/L		82	28 - 132	5	30	
4-Nitrophenol	80.0	43.5		ug/L		54	10 - 134	4	30	
Bis(2-chloroethoxy)methane	80.0	63.0		ug/L		79	23 - 126	7	30	
Bis(2-chloroethyl)ether	80.0	61.4		ug/L		77	10 - 150	1	30	
bis (2-chloroisopropyl) ether	80.0	68.5		ug/L		86	10 - 130	4	30	
Bis(2-ethylhexyl) phthalate	80.0	70.3		ug/L		88	52 - 165	2	30	
Butyl benzyl phthalate	80.0	68.4		ug/L		85	41 - 175	2	30	
Diethyl phthalate	80.0	66.4		ug/L		83	34 - 168	10	30	
Dimethyl phthalate	80.0	65.2		ug/L		82	45 - 136	7	30	
Di-n-butyl phthalate	80.0	68.6		ug/L		86	40 - 169	7	30	
Di-n-octyl phthalate	80.0	70.3		ug/L		88	38 - 172	3	30	
Hexachlorobenzene	80.0	68.0		ug/L		85	45 - 128	5	30	
Hexachlorobutadiene	80.0	42.5		ug/L		53	10 - 110	8	30	
Hexachlorocyclopentadiene	80.0	53.4		ug/L		67	10 - 134	4	30	
Hexachloroethane	80.0	35.2		ug/L		44	10 - 135	7	30	
Isophorone	80.0	62.8		ug/L		78	24 - 131	8	30	
Nitrobenzene	80.0	63.0		ug/L		79	26 - 130	5	30	
N-Nitrosodi-n-propylamine	80.0	63.4		ug/L		79	26 - 135	9	30	
Pentachlorophenol	80.0	70.1		ug/L		88	5 - 139	10	30	
Phenol	80.0	27.0		ug/L		34	10 - 136	7	30	
Diphenylamine	80.0	64.7		ug/L		81	39 - 136	8	30	
N-Nitrosodiphenylamine	80.0	64.7		ug/L		81	39 - 136	8	30	
Fluorene	80.0	66.3		ug/L		83	29 - 160	6	30	
Acenaphthylene	80.0	61.3		ug/L		77	24 - 133	10	30	
Benzo[g,h,i]perylene	80.0	82.4		ug/L		103	31 - 147	6	30	
Benzo[k]fluoranthene	80.0	77.6		ug/L		97	54 - 169	9	30	
Benzo[a]pyrene	80.0	77.9		ug/L		97	54 - 151	6	30	
Anthracene	80.0	66.7		ug/L		83	50 - 143	7	30	
Pyrene	80.0	68.0		ug/L		85	53 - 148	5	30	
Dibenz(a,h)anthracene	80.0	81.1		ug/L		101	32 - 144	8	30	
Naphthalene	80.0	51.5		ug/L		64	10 - 138	8	30	
Fluoranthene	80.0	67.0		ug/L		84	51 - 155	8	30	
Benzo[a]anthracene	80.0	66.0		ug/L		83	52 - 148	3	30	
Indeno[1,2,3-cd]pyrene	80.0	80.8		ug/L		101	34 - 133	6	30	
Chrysene	80.0	66.3		ug/L		83	52 - 149	3	30	
Acenaphthene	80.0	63.8		ug/L		80	22 - 130	9	30	

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

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

**Lab Sample ID: LCSD 670-116970/3-A**  
**Matrix: Water**  
**Analysis Batch: 117011**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 116970**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[b]fluoranthene	80.0	77.0		ug/L		96	53 - 153	6	30
Phenanthrene	80.0	67.9		ug/L		85	49 - 141	5	30
1-Methylnaphthalene	80.0	58.6		ug/L		73	10 - 134	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
Nitrobenzene-d5 (Surr)	73		24 - 137
2-Fluorobiphenyl	71		32 - 136
p-Terphenyl-d14 (Surr)	83		52 - 150
Phenol-d5 (Surr)	32		10 - 140
2-Fluorophenol (Surr)	48		11 - 140
2,4,6-Tribromophenol (Surr)	91		33 - 145

## Method: FL-PRO - Florida - Petroleum Range Organics (GC)

**Lab Sample ID: MB 670-117301/1-A**  
**Matrix: Water**  
**Analysis Batch: 117020**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 117301**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	0.34	U	1.0	0.34	mg/L		10/22/24 10:33	10/22/24 18:11	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
o-terphenyl (Surr)	69		66 - 139	10/22/24 10:33	10/22/24 18:11	1
C35 (Surr)	72		40 - 129	10/22/24 10:33	10/22/24 18:11	1

**Lab Sample ID: LCS 670-117301/2-A**  
**Matrix: Water**  
**Analysis Batch: 117020**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 117301**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Petroleum Hydrocarbons (C8-C40)	15.5	12.8		mg/L		83	55 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
o-terphenyl (Surr)	84		66 - 139
C35 (Surr)	83		40 - 129

**Lab Sample ID: LCSD 670-117301/3-A**  
**Matrix: Water**  
**Analysis Batch: 117020**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 117301**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Petroleum Hydrocarbons (C8-C40)	15.5	13.0		mg/L		84	55 - 130	1	40

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
o-terphenyl (Surr)	88		66 - 139

Eurofins Orlando

# QC Sample Results

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Method: FL-PRO - Florida - Petroleum Range Organics (GC) (Continued)

Lab Sample ID: LCSD 670-117301/3-A  
Matrix: Water  
Analysis Batch: 117020

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 117301

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
C35 (Surr)	88		40 - 129

## Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 670-116616/4-A  
Matrix: Water  
Analysis Batch: 117025

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 116616

Analyte	MB MB		PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	0.00022	U	0.0018	0.00022	mg/L		10/17/24 16:18	10/18/24 14:34	1

Lab Sample ID: LCS 670-116616/1-A  
Matrix: Water  
Analysis Batch: 117025

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 116616

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

Lab Sample ID: LCSD 670-116616/2-A  
Matrix: Water  
Analysis Batch: 117025

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total Recoverable  
Prep Batch: 116616

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
								RPD	Limit
Lead	0.100	0.0970		mg/L		97	80 - 120	3	20

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## GC/MS VOA

### Analysis Batch: 116740

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-1	MW-1	Total/NA	Water	8260D	
670-49558-2	MW-2	Total/NA	Water	8260D	
670-49558-3	MW-3	Total/NA	Water	8260D	
670-49558-4	MW-4	Total/NA	Water	8260D	
670-49558-5	MW-DUP	Total/NA	Water	8260D	
670-49558-6	FIELD BLANK	Total/NA	Water	8260D	
MB 670-116740/7	Method Blank	Total/NA	Water	8260D	
LCS 670-116740/4	Lab Control Sample	Total/NA	Water	8260D	

### Analysis Batch: 116988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-7	RINSATE	Total/NA	Water	8260D	
670-49558-8	TRIP BLANK	Total/NA	Water	8260D	
MB 670-116988/8	Method Blank	Total/NA	Water	8260D	
LCS 670-116988/4	Lab Control Sample	Total/NA	Water	8260D	

### Analysis Batch: 117221

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-7	RINSATE	Total/NA	Water	8260D	
670-49558-8	TRIP BLANK	Total/NA	Water	8260D	
MB 670-117221/7	Method Blank	Total/NA	Water	8260D	
LCS 670-117221/4	Lab Control Sample	Total/NA	Water	8260D	

## GC/MS Semi VOA

### Prep Batch: 116833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-1	MW-1	Total/NA	Water	3510C	
670-49558-2	MW-2	Total/NA	Water	3510C	
670-49558-3	MW-3	Total/NA	Water	3510C	
MB 670-116833/1-A	Method Blank	Total/NA	Water	3510C	
LCS 670-116833/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 670-116833/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

### Analysis Batch: 116955

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-1	MW-1	Total/NA	Water	8270E	116833
670-49558-2	MW-2	Total/NA	Water	8270E	116833
670-49558-3	MW-3	Total/NA	Water	8270E	116833
MB 670-116833/1-A	Method Blank	Total/NA	Water	8270E	116833
LCS 670-116833/2-A	Lab Control Sample	Total/NA	Water	8270E	116833
LCSD 670-116833/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	116833

### Prep Batch: 116970

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-4	MW-4	Total/NA	Water	3510C	
670-49558-5	MW-DUP	Total/NA	Water	3510C	
MB 670-116970/1-A	Method Blank	Total/NA	Water	3510C	
LCS 670-116970/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 670-116970/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Eurofins Orlando

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## GC/MS Semi VOA

### Analysis Batch: 117011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-4	MW-4	Total/NA	Water	8270E	116970
670-49558-5	MW-DUP	Total/NA	Water	8270E	116970
MB 670-116970/1-A	Method Blank	Total/NA	Water	8270E	116970
LCS 670-116970/2-A	Lab Control Sample	Total/NA	Water	8270E	116970
LCSD 670-116970/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	116970

## GC Semi VOA

### Analysis Batch: 117020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 670-117301/1-A	Method Blank	Total/NA	Water	FL-PRO	117301
LCS 670-117301/2-A	Lab Control Sample	Total/NA	Water	FL-PRO	117301
LCSD 670-117301/3-A	Lab Control Sample Dup	Total/NA	Water	FL-PRO	117301

### Prep Batch: 117301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-1	MW-1	Total/NA	Water	3511	
670-49558-2	MW-2	Total/NA	Water	3511	
670-49558-3	MW-3	Total/NA	Water	3511	
670-49558-4	MW-4	Total/NA	Water	3511	
670-49558-5	MW-DUP	Total/NA	Water	3511	
MB 670-117301/1-A	Method Blank	Total/NA	Water	3511	
LCS 670-117301/2-A	Lab Control Sample	Total/NA	Water	3511	
LCSD 670-117301/3-A	Lab Control Sample Dup	Total/NA	Water	3511	

### Analysis Batch: 117536

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-1	MW-1	Total/NA	Water	FL-PRO	117301
670-49558-2	MW-2	Total/NA	Water	FL-PRO	117301
670-49558-3	MW-3	Total/NA	Water	FL-PRO	117301
670-49558-4	MW-4	Total/NA	Water	FL-PRO	117301
670-49558-5	MW-DUP	Total/NA	Water	FL-PRO	117301

## Metals

### Prep Batch: 116616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-1	MW-1	Total Recoverable	Water	3005A	
670-49558-2	MW-2	Total Recoverable	Water	3005A	
670-49558-3	MW-3	Total Recoverable	Water	3005A	
670-49558-4	MW-4	Total Recoverable	Water	3005A	
670-49558-5	MW-DUP	Total Recoverable	Water	3005A	
MB 670-116616/4-A	Method Blank	Total Recoverable	Water	3005A	
LCS 670-116616/1-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 670-116616/2-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	

### Analysis Batch: 117025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-1	MW-1	Total Recoverable	Water	6020B	116616
670-49558-2	MW-2	Total Recoverable	Water	6020B	116616
670-49558-3	MW-3	Total Recoverable	Water	6020B	116616
670-49558-4	MW-4	Total Recoverable	Water	6020B	116616

Eurofins Orlando

# QC Association Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Metals (Continued)

### Analysis Batch: 117025 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
670-49558-5	MW-DUP	Total Recoverable	Water	6020B	116616
MB 670-116616/4-A	Method Blank	Total Recoverable	Water	6020B	116616
LCS 670-116616/1-A	Lab Control Sample	Total Recoverable	Water	6020B	116616
LCSD 670-116616/2-A	Lab Control Sample Dup	Total Recoverable	Water	6020B	116616

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

# Lab Chronicle

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Client Sample ID: MW-1

Date Collected: 10/16/24 13:05

Date Received: 10/17/24 12:20

## Lab Sample ID: 670-49558-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116740	AAM	EET ORL	10/18/24 15:01
Total/NA	Prep	3510C			116833	EH	EET ORL	10/18/24 15:54
Total/NA	Analysis	8270E		1	116955	JI	EET ORL	10/19/24 19:42
Total/NA	Prep	3511			117301	JR	EET ORL	10/22/24 10:33
Total/NA	Analysis	FL-PRO		1	117536	JR	EET ORL	10/23/24 10:42
Total Recoverable	Prep	3005A			116616	DP	EET ORL	10/17/24 16:18
Total Recoverable	Analysis	6020B		1	117025	JA	EET ORL	10/18/24 17:38

## Client Sample ID: MW-2

Date Collected: 10/16/24 14:00

Date Received: 10/17/24 12:20

## Lab Sample ID: 670-49558-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116740	AAM	EET ORL	10/18/24 15:19
Total/NA	Prep	3510C			116833	EH	EET ORL	10/18/24 15:54
Total/NA	Analysis	8270E		1	116955	JI	EET ORL	10/19/24 20:02
Total/NA	Prep	3511			117301	JR	EET ORL	10/22/24 10:33
Total/NA	Analysis	FL-PRO		1	117536	JR	EET ORL	10/23/24 11:34
Total Recoverable	Prep	3005A			116616	DP	EET ORL	10/17/24 16:18
Total Recoverable	Analysis	6020B		1	117025	JA	EET ORL	10/18/24 17:41

## Client Sample ID: MW-3

Date Collected: 10/16/24 15:05

Date Received: 10/17/24 12:20

## Lab Sample ID: 670-49558-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116740	AAM	EET ORL	10/18/24 15:37
Total/NA	Prep	3510C			116833	EH	EET ORL	10/18/24 15:54
Total/NA	Analysis	8270E		1	116955	JI	EET ORL	10/19/24 20:22
Total/NA	Prep	3511			117301	JR	EET ORL	10/22/24 10:33
Total/NA	Analysis	FL-PRO		1	117536	JR	EET ORL	10/23/24 11:17
Total Recoverable	Prep	3005A			116616	DP	EET ORL	10/17/24 16:18
Total Recoverable	Analysis	6020B		1	117025	JA	EET ORL	10/18/24 17:44

## Client Sample ID: MW-4

Date Collected: 10/16/24 16:00

Date Received: 10/17/24 12:20

## Lab Sample ID: 670-49558-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116740	AAM	EET ORL	10/18/24 15:55
Total/NA	Prep	3510C			116970	BR	EET ORL	10/21/24 05:55
Total/NA	Analysis	8270E		1	117011	SI	EET ORL	10/21/24 12:59
Total/NA	Prep	3511			117301	JR	EET ORL	10/22/24 10:33
Total/NA	Analysis	FL-PRO		1	117536	JR	EET ORL	10/23/24 10:59

Eurofins Orlando

# Lab Chronicle

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Client Sample ID: MW-4

Lab Sample ID: 670-49558-4

Date Collected: 10/16/24 16:00

Matrix: Water

Date Received: 10/17/24 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	3005A			116616	DP	EET ORL	10/17/24 16:18
Total Recoverable	Analysis	6020B		1	117025	JA	EET ORL	10/18/24 17:49

## Client Sample ID: MW-DUP

Lab Sample ID: 670-49558-5

Date Collected: 10/16/24 14:10

Matrix: Water

Date Received: 10/17/24 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116740	AAM	EET ORL	10/18/24 16:13
Total/NA	Prep	3510C			116970	BR	EET ORL	10/21/24 05:55
Total/NA	Analysis	8270E		1	117011	SI	EET ORL	10/21/24 13:19
Total/NA	Prep	3511			117301	JR	EET ORL	10/22/24 10:33
Total/NA	Analysis	FL-PRO		1	117536	JR	EET ORL	10/23/24 11:52
Total Recoverable	Prep	3005A			116616	DP	EET ORL	10/17/24 16:18
Total Recoverable	Analysis	6020B		1	117025	JA	EET ORL	10/18/24 17:52

## Client Sample ID: FIELD BLANK

Lab Sample ID: 670-49558-6

Date Collected: 10/16/24 16:20

Matrix: Water

Date Received: 10/17/24 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116740	AAM	EET ORL	10/18/24 16:31

## Client Sample ID: RINSATE

Lab Sample ID: 670-49558-7

Date Collected: 10/16/24 16:25

Matrix: Water

Date Received: 10/17/24 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116988	AAM	EET ORL	10/21/24 19:02
Total/NA	Analysis	8260D		1	117221	AAM	EET ORL	10/22/24 12:14

## Client Sample ID: TRIP BLANK

Lab Sample ID: 670-49558-8

Date Collected: 10/16/24 16:30

Matrix: Water

Date Received: 10/17/24 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	116988	AAM	EET ORL	10/21/24 19:21
Total/NA	Analysis	8260D		1	117221	AAM	EET ORL	10/22/24 11:56

**Laboratory References:**

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

# Accreditation/Certification Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

## Laboratory: Eurofins Orlando

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E83018	06-30-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270E	3510C	Water	Diphenylamine



# Method Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ORL
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET ORL
FL-PRO	Florida - Petroleum Range Organics (GC)	FL-DEP	EET ORL
6020B	Metals (ICP/MS)	SW846	EET ORL
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET ORL
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET ORL
3511	Microextraction of Organic Compounds	SW846	EET ORL
5030C	Purge and Trap	SW846	EET ORL

#### Protocol References:

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

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

#### Laboratory References:

EET ORL = Eurofins Orlando, 481 Newburyport Avenue, Altamonte Springs, FL 32701, TEL (407)339-5984

# Sample Summary

Client: PPM Consultants, Inc.  
Project/Site: Lake Butler Vacant Parcel

Job ID: 670-49558-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
670-49558-1	MW-1	Water	10/16/24 13:05	10/17/24 12:20
670-49558-2	MW-2	Water	10/16/24 14:00	10/17/24 12:20
670-49558-3	MW-3	Water	10/16/24 15:05	10/17/24 12:20
670-49558-4	MW-4	Water	10/16/24 16:00	10/17/24 12:20
670-49558-5	MW-DUP	Water	10/16/24 14:10	10/17/24 12:20
670-49558-6	FIELD BLANK	Water	10/16/24 16:20	10/17/24 12:20
670-49558-7	RINSATE	Water	10/16/24 16:25	10/17/24 12:20
670-49558-8	TRIP BLANK	Water	10/16/24 16:30	10/17/24 12:20

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

>> Select a Laboratory or Service Center <<

# Chain of Custody Record



#N/A  
#N/A  
#N/A  
##

Regulatory Program:  DW  NPDES  RCRA  Other:

Eurofins Environment Testing America

<b>Client Contact</b>		Project Manager: <u>Jeff Ferretti</u>		Site Contact:		Date:		COC No:	
Your Company Name here: <u>PPM Consultants</u>		Email: <u>Jeff.Ferretti@ppmco.com</u>		Lab Contact:		Carrier:		_____ of _____ COCs	
Address: <u>750 Northlake Blvd, Ste. 1012</u>		Tel/Fax: <u>646-915-5848</u>		Analysis Turnaround Time		TALS Project #:		Sampler:	
City/State/Zip: <u>Altamonte Springs, FL</u>		<input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS		TAT if different from Below _____		For Lab Use Only:		Walk-in Client:	
(xxx) xxx-xxxx Phone: <u>407-240-1127</u>		2 weeks		1 week		Lab Sampling:		Job / SDG No.:	
(xxx) xxx-xxxx FAX:		1 day		2 days		Sample Specific Notes:			
Project Name: <u>Vacant County Parcel</u>		1 day		3 days					
Site: <u>Union County</u>									
P O #:									
Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)		
MW-1	10/16/24	13:05	G	WA				X	X
MW-2		14:00	G					X	X
MW-3		15:05	G					X	X
MW-4		16:00	G					X	X
MW-DUP		14:10	G					X	X
FIELD BLANK		16:20	G					X	
RINSATE		16:25	G					X	
TRIP BLANK	↓	16:30	G	↓				X	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other		Possible Hazard Identification:		Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)					
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		Non-Hazard <input checked="" type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/>		Return to Client <input type="checkbox"/> Disposal by Lab <input checked="" type="checkbox"/> Archive for _____ Months					
Special Instructions/QC Requirements & Comments:									
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Custody Seal No.:		Cooler Temp. (°C): Obs'd: <u>2.4</u> Corr'd: <u>3.3</u>		Therm ID No.: <u>596</u>			
Relinquished by: <u>Julian Carman - [Signature]</u>		Company: <u>PPM Consultants</u>		Date/Time: <u>10/17/24</u>		Received by: <u>[Signature]</u>		Company: <u>E-ORL</u>	
Relinquished by:		Company:		Date/Time:		Received by: <u>M-J</u>		Company:	
Relinquished by:		Company:		Date/Time:		Received in Laboratory by:		Company:	
								Date/Time: <u>10/17/24 12:20</u>	



670-49558 Chain of Custody

# Login Sample Receipt Checklist

Client: PPM Consultants, Inc.

Job Number: 670-49558-1

**Login Number: 49558**

**List Source: Eurofins Orlando**

**List Number: 1**

**Creator: James2, Michael**

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	