FINAL SITE INVESTIGATION REPORT

FORMER PLANTERS HOTEL SITE
400 S SIXTH STREET
SUNNYSIDE, WASHINGTON

Prepared for
PORT OF SUNNYSIDE
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FORMER PLANTERS HOTEL SITE
SUNNYSIDE, WASHINGTON

The material and data in this report were prepared under the supervision and direction of the undersigned.

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CUL	cleanup level
Ecology	Department of Ecology (Washington)
ESA	environmental site assessment
GeoEngineers	GeoEngineers, Inc.
EPA	U.S. Environmental Protection Agency
HASP	health and safety plan
IDP	inadvertent discovery plan
IDW	investigation-derived waste
MFA	Maul Foster & Alongi, Inc.
MTCA	Model Toxics Control Act
PAH	polycyclic aromatic hydrocarbon
PID	photoionization detector
the Property	former Planters Hotel Site; 400 S Sixth Street, Sunnyside, Washington
QAPP	quality assurance project plan
REC	recognized environmental condition
SAP	sampling and analysis plan
SIM	selective ion monitoring
SOP	standard operating procedure
TEC	toxicity equivalent concentration
TEF	toxic equivalency factor
TEQ	toxicity equivalent
TPH	total petroleum hydrocarbon
UST	underground storage tank
VOC	volatile organic compound

1 INTRODUCTION

Maul Foster & Alongi, Inc., (MFA) prepared this report on behalf of the Port of Sunnyside to present the results of the site investigation conducted at the former Planters Hotel site located at 400 S Sixth Street in Sunnyside, Washington (the Property; Figure 1-1).

1.1 Project Objective

In December 2020, a Phase I environmental site assessment (ESA) was conducted for the Property and identified recognized environmental conditions (RECs) associated with two former underground storage tanks (USTs) and potential off-site sources of contamination. These RECs are discussed further in Section 2.3.

The objective of this project was to characterize the nature and extent of soil and shallow groundwater contamination associated with the RECs identified during the Phase I ESA to determine if further action is required at the Property. To achieve this objective, chemical data from the investigation activities described in this report were screened against Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A or Method B cleanup levels (CULs).

1.2 Scope of Work

To accomplish the above objective, the scope of work described in the Sampling and Analysis Plan and Quality Assurance Project Plan (SAP/QAPP; MFA, 2021) was followed. The scope of work included the following general tasks:

- Advancing eight soil borings, four at the location of the former USTs, and four near the Property boundaries, to assess off-site RECs.
- Collecting soil and groundwater samples from the borings.
- Laboratory analysis of the soil and groundwater samples for petroleum hydrocarbons and associated constituents.
- Preparing this report discussing the above activities, the analytical results, and the nature and extent of contamination as it relates to the previously identified RECs.

2 BACKGROUND

2.1 Site Location, History, and Description

The Property is located in section 25, township 10 north, range 22 east of the Willamette Meridian in Sunnyside, Washington (Figure 1-1). The Property is comprised of approximately 0.31 acres and is located at the southeast corner of S Sixth Street and Decatur Avenue (Yakima County tax lots 22102524512 and 22102524511).

The Property currently contains a 3,152-square-foot unoccupied commercial building constructed in 1971 (Figure 2-1). The most recent building occupant was a KFC restaurant franchise. The Property was occupied by the Planters Hotel from the early 1900s to the late 1960s; the hotel used two USTs at the location shown on Figure 2-1 that were removed in 2015.

2.2 Geology and Hydrogeology

Exploratory borings from the Property were logged by GeoEngineers, Inc. (GeoEngineers), in 2019. Subsurface soils on the Property consist of silt with sand and occasional gravel, sand with silt, and silt to approximately 16 feet below ground surface (bgs). According to GeoEngineers' report, groundwater was encountered at the Property at 6.5 to 12 feet bgs (GeoEngineers, 2019).

MFA encountered similar site soils and depth to groundwater as described in the GeoEngineers' logs during the site investigation (summarized in Section 3.2.1 below). Boring logs are included in Appendix A.

The topography at the Property and the vicinity is generally level; the Property elevation is approximately 747 feet above mean sea level. The nearest surface water is Snipes Mountain Lateral, an irrigation canal flowing approximately 0.30 miles southwest of the Property. The Yakima River flows approximately 6 miles south of the Property. Based on topography and surface water features, the direction of groundwater flow regionally and locally is inferred to be south-southwest.[1]

2.3 Previous Environmental Assessment

In December 2020, a Phase I ESA was conducted for the Property and identified the following RECs (MFA, 2020):

[1] Depth-to-groundwater measurements were recorded at each reconnaissance boring during the site investigation. However, since the depths were measured in an open boring relative to the ground surface (rather than a completed monitoring well with a surveyed measure point elevation) and the project schedule would not allow for standby time to ensure water levels had achieved a static level, the measurements were not used to determine a site-specific groundwater flow direction.

- In 2015, two USTs associated with the former hotel were removed from the Property, at which time the 3,800-gallon UST contained 600 gallons of heavy oil and the 1,100-gallon UST contained 200 gallons of water impacted by petroleum. Analysis of soil samples collected from the bottom of the UST excavation detected diesel- and heavy-oil-range total petroleum hydrocarbon (TPH), total naphthalenes, and polycyclic aromatic hydrocarbons (PAHs) at concentrations greater than the MTCA CULs. Analysis of reconnaissance groundwater samples collected from borings in the UST excavation detected diesel exceedances of the MTCA CUL as well as total naphthalenes and PAHs below MTCA CULs and did not detect heavy oil or carcinogenic PAHs (cPAHs).
- Several sites listed in Ecology's cleanup site database are located within a quarter mile of the Property. These include Valley Dry Cleaners, Cascade Natural Gas, and Commercial Tire (Figure 2-1). These sites have not received No Further Action determinations and are either awaiting cleanup or are listed as cleanup started, and therefore have the potential to have impacted the Property. Contaminants generally associated with these operations include gasoline-, diesel-, and heavy-oil-range TPH, volatile organic compounds (VOCs; included solvents), and PAHs.

3 SITE INVESTIGATION ACTIVITIES

Site investigation activities performed to complete the scope of work identified in Section 1.2 included subsurface borings and collection of soil and groundwater samples for chemical analysis. This section presents the scope of work conducted to accomplish these activities.

3.1 Preparatory Activities

Site Health and Safety Plan. MFA prepared a site-specific health and safety plan (HASP) for the proposed activities. The HASP was prepared in general accordance with the Occupational Safety and Health Act and the Washington Administrative Rules. A copy of the HASP was maintained on-site for use by MFA staff during the field activities.

Underground Utility Location. Prior to beginning the field investigation work, underground utilities were located and marked using the Washington Utility Notification Center. Prior to drilling, a private utility locate was conducted by Geophysical Survey, LLC, on April 5, 2021, to locate potential underground utilities or structures in the vicinity of each proposed boring location. A representative of MFA oversaw the private utility locate activities. Underground utility locates were conducted in accordance with MFA standard operating procedure (SOP) 18 (see Appendix B).

Property Access and Work Notification. MFA notified the Port of Sunnyside of the work schedule.

Inadvertent Discovery Plan for Cultural Resources. MFA implemented an Inadvertent Discovery Plan (IDP) provided by Ecology that outlined procedures to follow if cultural or archaeological materials were encountered during the investigation. A copy of the IDP is provided in Appendix C.

The IDP was reviewed with subcontractors prior to commencement of the field work. No cultural resources or archaeological artifacts were encountered during the investigation.

3.2 Assessment Activities

A representative of MFA oversaw the drilling subcontractor and collected soil and groundwater samples for chemical analysis. A photograph log is included as Appendix D. The assessment activities were performed in general accordance with the SAP/QAPP.

3.2.1 Soils Assessment

On April 6 and 7, 2021, eight borings (GP01 through GP08) were advanced using a direct-push drilling rig by Pacific Soil and Water, Inc., of Tualatin, Oregon. The drilling was conducted in accordance with SOP 7 (Appendix B). The boring locations are shown on Figure 3-1. The following is the rationale for each boring location:

- GP01, GP02, and GP04—Located west, north, and south of the former USTs to assess the nature and extent of UST-related contamination.
- GP03—Located in the former UST excavation to assess the nature and extent of UST-related contamination. The original intent was to place the boring immediately east of the former UST excavation, but due to access limits from the adjacent alleyway, the boring was placed in the former excavation.
- GP05 through GP08—Located in the northwest, northeast, southeast, and southwest corners of the Property. These borings assessed if off-site RECs have impacted the Property.

GP05 was advanced to 15 feet bgs and all other borings were advanced to 20 feet bgs. Continuous soil cores were retrieved for each boring using a 2-inch-diameter, 5-foot-long soil coring device. Lithologic logging and field screening was conducted on each core segment in accordance with SOP 2 (Appendix B). In general, the subsurface lithology consisted of soft-to-firm silt, with variable amounts of sand. Groundwater was encountered at approximately 6 to 8.5 feet bgs. Boring logs are included in Appendix A.

Soil cores were field screened for the presence of VOCs in accordance with SOP 3 (Appendix B), using a photoionization detector (PID) and for petroleum hydrocarbons using a sheen test. Visual and olfactory observations were also documented. Indicators of contamination were observed in only one of the eight borings (GP03), at a depth of 6 feet bgs. These indicators included a petroleum-like odor, sheen, and a PID reading of 53.8 parts per million. No olfactory or visual impacts were detected in soils collected from the remaining borings advanced at the Property, and PID readings ranged from only 0 to 2.8 parts per million.

One soil sample was collected from each boring at the soil-water interface as shown on the boring logs. Soil sample depths generally ranged from 5.5 feet to 8 feet bgs. Field sampling data sheets for

the soil samples are included in Appendix E. Samples were prepared, handled, and documented in accordance with SOPs 4 and 5 (Appendix B).

3.2.2 Groundwater Assessment

One groundwater sample was collected from each boring. A temporary well, consisting of new polyvinyl chloride factory-slotted screen (10 feet in length) with a polyvinyl chloride riser was installed in each boring to facilitate groundwater sample collection. Prior to sample collection, groundwater was purged from the temporary well using a peristaltic pump.

Visual and olfactory observations were also documented. Field evidence of contamination (petroleum-like odor and sheen) was observed in the groundwater sample collected from boring GP03. No olfactory or visual impacts were detected in groundwater collected from the other borings. Field sampling data sheets for the groundwater samples are included in Appendix E. Groundwater sampling and water-level measurements from each of the borings were conducted in accordance with SOPs 7, 9, and 13 (Appendix B).

3.3 Waste Handling and Disposal

Wastes generated during drilling activities consisted of soil and purge water investigation-derived waste (IDW). The driller provided Washington State Department of Transportation approved 55-gallon drums for IDW storage on-site. Approximately 15 gallons of water and 20 gallons of soil cuttings were generated during the investigation. The water and soil were placed in separate drums on the south side of the building on the Property. After chemical analysis and waste profiling, IDW will be disposed of at a permitted facility. Disposable sampling equipment and personal protective equipment was disposed of as solid waste.

4 LABORATORY ANALYSIS

Soil and groundwater samples collected during field activities were submitted to Apex Laboratories, LLC, of Tigard, Oregon, under standard chain-of-custody procedures and were analyzed for the following:

- Gasoline-range TPH by Northwest TPH Method NWTPH-Gx
- Diesel- and lube-oil-range TPH by Northwest TPH Method NWTPH-Dx
- VOCs by U.S. Environmental Protection Agency (EPA) Method 8260D
- 1,2-Dibromomethane and vinyl chloride by EPA Method 8260D selective ion monitoring (SIM)
- PAHs by EPA Method 8270E SIM

Analytical results were reviewed for usability and were qualified consistent with EPA procedures and appropriate laboratory and method-specific guidelines, and a data validation memorandum was prepared to document the review. The laboratory analytical report and the data validation memorandum are provided in Appendices F and G, respectively.

Consistent with Washington Administrative Code 173-340-708(8), mixtures of cPAHs are considered as single hazardous substances when evaluating compliance with CULs such that the toxicity of a particular congener is expressed relative to the most toxic congener (i.e., benzo(a)pyrene). The toxicity of cPAHs as a group was assessed using a toxic equivalency approach. Each congener in the group is assigned a toxic equivalency factor (TEF) describing the toxicity of that congener relative to the toxicity of the reference compound, benzo(a)pyrene. For example, a congener that is equal in toxicity to benzo(a)pyrene would have a TEF of 1.0. Similarly, a congener that is half as toxic as benzo(a)pyrene would have a TEF of 0.5, and so on. Multiplying the concentration of a congener by its TEF produces the concentration of cPAH that is equivalent in toxicity to the congener concentration of concern, known as the toxicity equivalent concentration (TEC). Computing the TEC for each congener (Ci in the equation below) in a sample, followed by summing all TEC values, permits expression of all congener concentrations in terms of a total cPAH toxicity equivalent (TEQ) (i.e., cPAH TEQ):

$$\text{cPAH TEQ} = \sum_{i=1}^{k} \text{Ci x TEFi}$$

cPAH TEQs were qualified and calculated as follows:

- Congeners qualified as non-detect and flagged with a "U" are used in the TEQ calculation at one-half the associated value.
- Congeners qualified as estimated and flagged with a "J" are used without modification in the TEQ calculation.
- Congeners qualified as non-detect with an estimated limit (i.e., flagged with a "UJ") are used in the TEQ calculation at one-half the associated value.
- If all congeners in a chemical group are undetected, the group sum is reported as undetected.

Consistent with Ecology Implementation Memorandum No. 4, the diesel- and lube-oil-range TPH results were summed for a total detection value and were calculated as follows (Ecology, 2004):

- Diesel and lube-oil results qualified as non-detect and flagged with a U are used in the total calculation at one-half the associated value.
- Diesel and lube-oil results qualified as estimated and flagged with a J are used in the total calculation without modification.

Consistent with Washington Administrative Code 173-340-900 Table 740-1, the CUL for naphthalenes is based on the total value for naphthalene, 1-methylnaphthalene, and 2-

methylnaphthalene. The values for those three compounds are summed to compare to the Method A CUL. If a compound is not detected, one-half the associated value is used.

5 ANALYTICAL RESULTS

The sections below summarize the soil and groundwater analytical results presented in Tables 5-1 and 5-2, respectively. Sample results were screened against MTCA Method A CULs for unrestricted land use. Where MTCA Method A CULs were not available, the results were screened against MTCA Method B CULs for cancer or noncancer, whichever value is lower.

5.1 Soil Analytical Results

Petroleum hydrocarbons, VOCs, and PAHs were detected above laboratory reporting limits in multiple soil samples. Results are summarized as follows:

- **Gasoline-range TPH**—Gasoline-range TPH was detected in a single sample, GP03-S-6 at boring GP03, at a concentration of 3,130 milligrams per kilogram, which exceeded the MTCA CUL.
- **Diesel- and lube-oil-range TPH**—The detected concentrations of diesel- and lube-oil-range TPH in sample GP03-S-6 exceeded the MTCA CUL. Diesel was not detected in any other boring. Lube oil was detected in soil at three other borings, GP01, GP02, and GP06, at concentrations one to two orders of magnitude less than the CUL.
- **VOCs**—Benzene, naphthalene, tetrachloroethene, and total xylenes were detected in sample GP03-S-6 at concentrations that exceeded the MTCA CULs. Other VOCs were detected in the sample at concentrations less than the CULs. VOCs were not detected in any other boring.
- **PAHs**—Benzo(a)pyrene and the cPAH TEQ were detected at concentrations that exceeded the MTCA CULs in samples GP02-S-8 and GP03-S-6. Detections of 1-methylnaphthalene and total naphthalenes in GP03-S-6 also exceeded the MTCA CULs. PAHs were detected in sample GP01-S-5.5 and GP06-S-7.5 at concentrations many orders of magnitude less than the CULs. PAHs were not detected at the remaining borings.

Sample locations exhibiting soil CUL exceedances are presented in Figure 5-1.

5.2 Groundwater Analytical Results

Diesel- and lube-oil-range TPH, the diesel + lube-oil sum, and 1-methylnaphthalene and 2-methylnaphthalene were detected at concentrations that exceeded the MTCA CULs in sample GP03-GW-15. Diesel- and lube-oil-range TPH were detected at borings GP01 and GP02 at concentrations less than the MTCA CULs and were not detected in any other boring. 1-methylnaphthalene and 2-methylnaphthalene were not detected in any other boring. No other chemicals were detected at

concentrations above the MTCA CULs. Sample locations exhibiting groundwater CUL exceedances are presented in Figure 5-1.

6 CONCLUSIONS AND RECOMMENDATIONS

The site investigation analytical results support the following conclusions as they relate to the previously identified RECs.

Former USTs. Petroleum hydrocarbons, VOCs, and PAHs were detected in soil and groundwater collected in the vicinity of the former USTs. Concentrations exceeding MTCA CULs were identified within the former UST excavation (boring location GP03) and north of the excavation (boring location GP02), with the highest concentrations detected in GP03. Lube oil and PAHs were detected west of the excavation at concentrations orders of magnitude less than CULs, while the boring to the south of the UST excavation was non-detect for petroleum and associated constituents. Based on the distribution of borings with CUL exceedances, the extent of soil and groundwater with CUL exceedances has not been fully delineated to the north (soil) and east (soil and groundwater) of the former UST excavation. Since the direction of groundwater flow is likely to the south, and since GP03 was placed within the former UST excavation, the expectation is that the extent of soil and groundwater with CUL exceedances likely does not extend far beyond borings GP02 and GP03.

Off-Site RECs. Sources of contamination at off-site RECs were assessed at the Property perimeter borings GP05 through GP08. Analytical results for soil and groundwater samples from these borings did not identify chemicals at concentrations above MTCA CULs, nor were field indicators of contamination observed. Based on these findings, these off-site sources of contamination are not current RECs for the Property.

Based on the findings provided in this site investigation report, MFA recommends conducting a supplemental subsurface investigation to further evaluate the magnitude and extent of impacts north and east of the former UST excavation.

LIMITATIONS

The services undertaken in completing this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

REFERENCES

Ecology. 2004. Memorandum (re: determining compliance with Method A cleanup levels for diesel and heavy oil) to file. Implementation memorandum #4. Prepared by T. Nord, Washington State Department of Ecology. June.

GeoEngineers. 2019. Soil and groundwater assessment, former Don Copp site, 400 S 6th Street, Sunnyside, Washington. GeoEngineers, Inc. June 26.

MFA. 2020. Phase I environmental site assessment, 400 S 6th Street, Sunnyside, Washington 98944. Prepared for Port of Sunnyside. Maul Foster & Alongi, Inc., Vancouver, Washington. December 18.

MFA. 2021. Sampling and analysis plan and quality assurance project plan, 400 S Sixth Street, Sunnyside, Washington. Prepared for Port of Sunnyside. Maul Foster & Alongi, Inc., Portland, Oregon. February 12.

TABLES

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Table 5-1
Soil Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

Location	MTCA A/B[1]	GP01	GP02	GP03	GP04	GP05	GP06		GP07	GP08
Sample Name		GP01-S-5.5	GP02-S-8	GP03-S-6	GP04-S-8	GP05-S-6	GP06-S-7.5	GP06-S-7.5-DUP	GP07-S-6	GP08-S-6
Collection Date		4/6/2021	4/7/2021	4/7/2021	4/7/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/7/2021
Collection Depth (ft bgs)		5.5	8	6	8	6	7.5	7.5	6	6
TPH (mg/kg)										
Gasoline Range Hydrocarbons	100[a]	3.5 U	3.33 U	3,130 J	4.06 U	3.14 U	2.83 U	3.94 U	4.26 U	3.41 U
Diesel Range Hydrocarbons	2,000	11.8 U	12.3 U	17,900 J	12.2 U	12.4 U	11.3 U	11.4 U	12.5 U	12.3 U
Lube Oil Range Hydrocarbons	2,000	29.9 J	119	16,000 J	24.5 U	24.8 U	22.6 U	34.2 J	25.1 U	24.6 U
Diesel + Lube Oil Range Hydrocarbons[b]	2,000	35.8 J	125	33,900 J	24.5 U	24.8 U	22.6 U	39.9 J	25.1 U	24.6 U
VOCs (mg/kg)										
1,1,1,2-Tetrachloroethane	38	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,1,1-Trichloroethane	2,000	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,1,2,2-Tetrachloroethane	5	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
1,1,2-Trichloroethane	18	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,1-Dichloroethane	180	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,1-Dichloroethene	4,000	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,1-Dichloropropene	NV	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
1,2-Dibromoethane	0.005	1.4 U	1.33 U	401 U	1.62 U	1.26 U	1.13 U	1.57 U	1.7 U	1.37 U
1,2,3-Trichlorobenzene	64	0.175 U	0.166 U	2 U	0.203 U	0.157 U	0.142 U	0.197 U	0.213 U	0.171 U
1,2,3-Trichloropropane	0.0063	0.035 U	0.0333 U	0.802 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
1,2,4-Trichlorobenzene	34	0.175 U	0.166 U	2 U	0.203 U	0.157 U	0.142 U	0.197 U	0.213 U	0.171 U
1,2,4-Trimethylbenzene	800	0.035 U	0.0333 U	46	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
1,2-Dibromo-3-chloropropane	1	0.175 U	0.166 U	2 U	0.203 U	0.157 U	0.142 U	0.197 U	0.213 U	0.171 U
1,2-Dichlorobenzene	7,200	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,2-Dichloroethane	11	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,2-Dichloropropane	27	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,3,5-Trimethylbenzene	800	0.035 U	0.0333 U	13	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
1,3-Dichlorobenzene	NV	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
1,3-Dichloropropane	1600	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
1,4-Dichlorobenzene	190	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
2,2-Dichloropropane	NV	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
2-Butanone	48,000	0.35 U	0.333 U	4 U	0.406 U	0.314 U	0.283 U	0.394 U	0.426 U	0.341 U
2-Chlorotoluene	1,600	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
2-Hexanone	400	0.35 U	0.333 U	4.01 U	0.406 U	0.314 U	0.283 U	0.394 U	0.426 U	0.341 U
4-Chlorotoluene	NV	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
4-Isopropyltoluene	NV	0.035 U	0.0333 U	2.92 J	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
4-Methyl-2-pentanone	6,400	0.35 U	0.333 U	4.01 U	0.406 U	0.314 U	0.283 U	0.394 U	0.426 U	0.341 U
Acetone	72,000	0.7 U	0.665 U	8.02 U	0.811 U	0.629 U	0.566 U	0.787 U	0.852 U	0.683 U
Acrylonitrile	2	0.07 U	0.0665 U	0.802 U	0.0811 U	0.0629 U	0.0566 U	0.0787 U	0.0852 U	0.0683 U
Benzene	0.03	0.007 U	0.00665 U	0.152 J	0.00811 U	0.00629 U	0.00566 U	0.00787 U	0.00852 U	0.00683 U

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Table 5-1
Soil Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

Location	MTCA A/B[1]	GP01	GP02	GP03	GP04	GP05	GP06		GP07	GP08
Sample Name		GP01-S-5.5	GP02-S-8	GP03-S-6	GP04-S-8	GP05-S-6	GP06-S-7.5	GP06-S-7.5-DUP	GP07-S-6	GP08-S-6
Collection Date		4/6/2021	4/7/2021	4/7/2021	4/7/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/7/2021
Collection Depth (ft bgs)		5.5	8	6	8	6	7.5	7.5	6	6
Bromobenzene	640	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
Bromodichloromethane	16	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Bromoform	130	0.07 U	0.0665 U	0.802 U	0.0811 U	0.0629 U	0.0566 U	0.0787 U	0.0852 U	0.0683 U
Bromomethane	110	0.7 U	0.665 U	8 U	0.811 U	0.629 U	0.566 U	0.787 U	0.852 U	0.683 U
Carbon disulfide	8,000	0.35 U	0.333 U	4 U	0.406 U	0.314 U	0.283 U	0.394 U	0.426 U	0.341 U
Carbon tetrachloride	14	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Chlorobenzene	1,600	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
Chlorobromomethane	NV	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Chloroethane	NV	0.35 U	0.333 U	4 U	0.406 U	0.314 U	0.283 U	0.394 U	0.426 U	0.341 U
Chloroform	32	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Chloromethane	NV	0.175 U	0.166 U	2 U	0.203 U	0.157 U	0.142 U	0.197 U	0.213 U	0.171 U
cis-1,2-Dichloroethene	160	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
cis-1,3-Dichloropropene	NV	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Dibromochloromethane	12	0.07 U	0.0665 U	0.802 U	0.0811 U	0.0629 U	0.0566 U	0.0787 U	0.0852 U	0.0683 U
Dibromomethane	800	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Dichlorodifluoromethane (Freon 12)	16,000	0.07 U	0.0665 U	2 UJ	0.0811 U	0.0629 U	0.0566 U	0.0787 U	0.0852 U	0.137 UJ
Ethylbenzene	6	0.0175 U	0.0166 U	2	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
Hexachlorobutadiene	13	0.07 U	0.0665 U	0.802 U	0.0811 U	0.0629 U	0.0566 U	0.0787 U	0.0852 U	0.0683 U
Isopropylbenzene	8,000	0.035 U	0.0333 U	0.734 J	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
m,p-Xylene	NV	0.035 U	0.0333 U	12	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Methyl tert-butyl ether	0.1	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Methylene chloride	0.2	0.35 U	0.333 U	4 U	0.406 U	0.314 U	0.283 U	0.394 U	0.426 U	0.341 U
Naphthalene	5	0.07 U	0.0665 U	132	0.0811 U	0.0629 U	0.0566 U	0.0787 U	0.0852 U	0.0683 U
n-Butylbenzene	4,000	0.035 U	0.0333 U	5 J	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
n-Propylbenzene	8,000	0.0175 U	0.0166 U	3	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
o-Xylene	16,000	0.0175 U	0.0166 U	5	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
sec-Butylbenzene	8,000	0.035 U	0.0333 U	1	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Styrene	16,000	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
tert-Butylbenzene	8,000	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Tetrachloroethene	0.05	0.0175 U	0.0166 U	0.284 J	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
Toluene	7	0.035 U	0.0333 U	0.969	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
trans-1,2-Dichloroethene	1,600	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
trans-1,3-Dichloropropene	NV	0.035 U	0.0333 U	0.401 U	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
Trichloroethene	0.03	0.0175 U	0.0166 U	0.2 U	0.0203 U	0.0157 U	0.0142 U	0.0197 U	0.0213 U	0.0171 U
Trichlorofluoromethane (Freon 11)	24,000	0.07 U	0.0665 U	0.802 U	0.0811 U	0.0629 U	0.0566 U	0.0787 U	0.0852 U	0.0683 U

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Table 5-1
Soil Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

Location	MTCA A/B[1]	GP01	GP02	GP03	GP04	GP05	GP06		GP07	GP08
Sample Name		GP01-S-5.5	GP02-S-8	GP03-S-6	GP04-S-8	GP05-S-6	GP06-S-7.5	GP06-S-7.5-DUP	GP07-S-6	GP08-S-6
Collection Date		4/6/2021	4/7/2021	4/7/2021	4/7/2021	4/6/2021	4/6/2021	4/6/2021	4/6/2021	4/7/2021
Collection Depth (ft bgs)		5.5	8	6	8	6	7.5	7.5	6	6
Vinyl chloride	0.67	7 U	6.65 U	200 U	8.11 U	6.29 U	5.66 U	7.87 U	8.52 U	6.83 UJ
Xylenes (total)[c]	9	70 U	66.5 U	17	0.0406 U	0.0314 U	0.0283 U	0.0394 U	0.0426 U	0.0341 U
PAHs (mg/kg)										
1-Methylnaphthalene	34	0.0135	0.119 U	105	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
2-Methylnaphthalene	320	0.0192	0.119 U	186	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Acenaphthene	4,800	0.00616 U	0.119 U	13.2 U	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Acenaphthylene	NV	0.00616 U	0.119 U	2.46 U	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Anthracene	24,000	0.00616 U	0.313	5.86 U	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Benzo(a)anthracene	NV	0.00677 J	1.24	4.43	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Benzo(a)pyrene	0.1	0.00659 J	0.963	3.04	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Benzo(b)fluoranthene	NV	0.00803 J	1.18 J	0.868 J	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Benzo(ghi)perylene	NV	0.0188	0.551	1.72	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Benzo(k)fluoranthene	NV	0.00616 U	0.535 J	0.232 U	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Chrysene	NV	0.00877 J	1.27	5.86	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Dibenzo(a,h)anthracene	NV	0.00616 U	0.119 U	0.317 J	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Dibenzofuran	80	0.00616 U	0.119 U	4.56 U	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Fluoranthene	3,200	0.00616 U	2.20	1.56	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Fluorene	3,200	0.00616 U	0.119 U	9.43	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Indeno(1,2,3-cd)pyrene	NV	0.0105 J	0.692	0.584	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Naphthalene	5	0.0109 J	0.119 U	25.0	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
Phenanthrene	NV	0.0102 J	1.51	36.9	0.00646 U	0.00599 U	0.00805 J	0.00583 U	0.00628 U	0.00618 U
Pyrene	2,400	0.00616 U	1.60	11.2	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U
cPAH TEQ[d][2]	0.1	0.0098	1.35	3.73	ND	ND	ND	ND	ND	ND
Naphthalene (total)[e]	5	0.0436 J	0.119 U	316	0.00646 U	0.00599 U	0.00573 U	0.00583 U	0.00628 U	0.00618 U

Table 5-1
Soil Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

NOTES:

Shading (color key below) indicates values that exceed screening criteria; non-detects ("U" or "UJ") were not compared with screening criteria.

Method A or B. The lower of the Method B cancerous or noncancerous values applied when Method A was not available.

cPAH TEQ = carcinogenic PAH toxicity equivalence.

ft bgs = feet below ground surface.

J = estimated value.

mg/kg = milligrams per kilogram.

MTCA = Motel Toxics Control Act.

ND = non-detect.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

TPH = total petroleum hydrocarbons.

U = Result is non-detect to-detection limit.

UJ = Result is non-detect with an estimated detection limit.

VOC = volatile organic compound.

[(a)]TPH gasoline range hydrocarbon with no detectable benzene value.

[(b)]Diesel + Lube Oil Range Hydrocarbons are the sum of diesel range hydrocarbon and oil range hydrocarbon where non-detect results are included at one-half the detection limit; when all results are non-detect, the highest detection limit is used.

[(c)]Total xylene is the sum of o-xylene and m,p-xylene where non-detect results are included at one-half the detection limit; when all results are non-detect, the highest detection limit is used.

[(d)]cPAH TEQ values are based on toxic equivalence factors.

[(e)]Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphtalene, and naphthalene where non-detect results are included at one-half the detection limit; when all results are non-detect, the highest detection limit is used.

REFERENCES:

[(1)]Washington State Department of Ecology—Cleanup Levels and Risk Calculation Master Table. February 2021.
[(2)]Washington Ecology Evaluating the Human Heath Toxicity of Carcinogenic PAHs Using Toxicity Equivalence Factors. 2015.

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Table 5-2
Groundwater Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

Location	MTCA A/B[1]	GP01		GP02	GP03	GP04	GP05	GP06	GP07	GP08
Sample Name		GP01-GW-15	GP01-GW-15-DUP	GP02-GW-15	GP03-GW-15	GP04-GW-15	GP05-GW-12	GP06-GW-15	GP07-GW-15	GP08-GW-15
Collection Date		4/6/2021	4/6/2021	4/7/2021	4/7/2021	4/7/2021	4/6/2021	4/6/2021	4/6/2021	4/7/2021
Collection Depth (ft bgs)		15	15	15	15	15	12	15	15	15
TPH (mg/L)										
Gasoline Range Hydrocarbon	1.0[a]	0.05 U	0.05 U	0.05 U	0.388	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Diesel Range Hydrocarbons	0.5	0.0408 U	0.0412 U	0.0392 U	1.66	0.0417 U	0.0449 U	0.0396 U	0.0435 U	0.0412 U
Lube Oil Range Hydrocarbons	0.5	0.232	0.235	0.0786 J	0.935 J	0.0833 U	0.0899 U	0.0792 U	0.0870 U	0.0825 U
Diesel + Lube Oil Range Hydrocarbons[b]	0.5	0.252	0.256	0.0982 J	2.60 J	0.0833 U	0.0899 U	0.0792 U	0.0870 U	0.0825 U
VOCs (ug/L)										
1,1,1,2-Tetrachloroethane	1.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,1-Trichloroethane	16,000	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	0.22	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1,2-Trichloroethane	0.77	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,1-Dichloroethane	7.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	400	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloropropene	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	6.4	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	0.00038	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	1.5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	80	0.5 U	0.5 U	0.5 U	6.51	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	0.055	5 UJ	5 UJ	5 UJ	2.5 U	5 UJ	2.5 U	2.5 U	5 UJ	2.5 U
1,2-Dichlorobenzene	720	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2-Dichloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	1.2	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3,5-Trimethylbenzene	80	0.5 U	0.5 U	0.5 U	1.93	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	NV	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
1,3-Dichloropropane	160	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	8.1	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
2,2-Dichloropropane	NV	1 UJ	1 UJ	1 UJ	0.5 U	1 UJ	0.5 U	0.5 U	1 UJ	0.5 U
2-Butanone	4,800	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorotoluene	160	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	40	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Isopropyltoluene	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	640	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	7,200	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acrylonitrile	0.081	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U

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Table 5-2
Groundwater Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

Location	MTCA A/B[1]	GP01		GP02	GP03	GP04	GP05	GP06	GP07	GP08
Sample Name		GP01-GW-15	GP01-GW-15-DUP	GP02-GW-15	GP03-GW-15	GP04-GW-15	GP05-GW-12	GP06-GW-15	GP07-GW-15	GP08-GW-15
Collection Date		4/6/2021	4/6/2021	4/7/2021	4/7/2021	4/7/2021	4/6/2021	4/6/2021	4/6/2021	4/7/2021
Collection Depth (ft bgs)		15	15	15	15	15	12	15	15	15
Benzene	5	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Bromobenzene	64	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Bromodichloromethane	0.71	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	5.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	11	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon disulfide	800	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon tetrachloride	0.63	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	160	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Chlorobromomethane	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	NV	5 U	5 U	5 U	5 UJ	5 U	5 UJ	5 UJ	5 U	5 UJ
Chloroform	1.4	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	NV	2.5 U	2.5 U	2.5 U	5 UJ	2.5 U	5 UJ	5 UJ	2.5 U	5 UJ
cis-1,2-Dichloroethene	16	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	0.52	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	80	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane (Freon 12)	1,600	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	700	0.25 U	0.25 U	0.25 U	0.46 J	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
Hexachlorobutadiene	0.56	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	800	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	NV	0.5 U	0.5 U	0.5 U	2.37	0.5 U	0.781 J	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	20	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Naphthalene	160	2 U	2 U	2 U	32.2 J	2 U	2 U	2 U	2 U	2 U
n-Butylbenzene	400	0.5 U	0.5 U	0.5 U	0.595 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	800	0.25 U	0.25 U	0.25 U	0.365 J	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U
o-Xylene	1,600	0.25 U	0.25 U	0.25 U	1.02	0.25 U	0.265 J	0.25 U	0.25 U	0.25 U
sec-Butylbenzene	800	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	1,600	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
tert-Butylbenzene	800	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	0.5 U	0.5 U	0.4 U	0.2 U	0.4 U	0.2 U	0.2 U	0.4 U	0.2 U
Toluene	1,000	0.5 U	0.5 U	0.5 U	0.583 J	0.5 U	1.02	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	160	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 5-2
Groundwater Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

Location	MTCA A/B[1]	GP01		GP02	GP03	GP04	GP05	GP06	GP07	GP08
Sample Name		GP01-GW-15	GP01-GW-15-DUP	GP02-GW-15	GP03-GW-15	GP04-GW-15	GP05-GW-12	GP06-GW-15	GP07-GW-15	GP08-GW-15
Collection Date		4/6/2021	4/6/2021	4/7/2021	4/7/2021	4/7/2021	4/6/2021	4/6/2021	4/6/2021	4/7/2021
Collection Depth (ft bgs)		15	15	15	15	15	12	15	15	15
Trichloroethene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane (Freon 11)	2,400	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)[c]	1,000	1 U	1 U	1 U	3.39	1 U	1.05 J	1 U	1 U	1 U
VOCs by EPA 8260D SIM (ug/kg)										
1,2-Dibromoethane	0.01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vinyl chloride	0.2	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PAHs (ug/L)										
1-Methylnaphthalene	1.5	0.0444 U	0.046 U	0.0421 U	42.2	0.0417 U	0.0455 U	0.0426 U	0.0444 U	0.0435 U
2-Methylnaphthalene	32	0.0444 U	0.046 U	0.0421 U	56.9	0.0417 U	0.0455 U	0.0426 U	0.0444 U	0.0435 U
Acenaphthene	960	0.0222 U	0.023 U	0.0211 U	3.68 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Acenaphthylene	NV	0.0222 U	0.023 U	0.0211 U	0.526 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Anthracene	4,800	0.0222 U	0.023 U	0.0211 U	0.526 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Benzo(a)anthracene	NV	0.0222 U	0.023 U	0.0211 U	0.0532	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Benzo(a)pyrene	0.1	0.0222 U	0.023 U	0.0211 U	0.0211 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Benzo(b)fluoranthene	NV	0.0222 U	0.023 U	0.0211 U	0.0211 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Benzo(ghi)perylene	NV	0.0222 U	0.023 U	0.0211 U	0.0211 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Benzo(k)fluoranthene	NV	0.0222 U	0.023 U	0.0211 U	0.0211 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Chrysene	NV	0.0222 U	0.023 U	0.0211 U	0.0616	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Dibenzo(a,h)anthracene	NV	0.0222 U	0.023 U	0.0211 U	0.0211 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Dibenzofuran	16	0.0222 U	0.023 U	0.0211 U	0.948	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Fluoranthene	640	0.0222 U	0.023 U	0.0211 U	0.0473	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Fluorene	640	0.0222 U	0.023 U	0.0211 U	2.06	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Indeno(1,2,3-cd)pyrene	NV	0.0222 U	0.023 U	0.0211 U	0.0211 U	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
Naphthalene	160	0.0444 U	0.0486 J	0.0421 U	13.9	0.0417 U	0.09 J	0.0426 U	0.0546 J	0.0435 U
Phenanthrene	NV	0.0222 U	0.023 U	0.0211 U	4.07	0.0208 U	0.0227 U	0.0213 U	0.0253 J	0.0217 U
Pyrene	480	0.0222 U	0.023 U	0.0211 U	0.287	0.0208 U	0.0227 U	0.0213 U	0.0222 U	0.0217 U
cPAH TEQ[d][2]	0.1	ND	ND	ND	0.0207	ND	ND	ND	ND	ND
Naphthalene (total)[e]	160	0.0444 U	0.0946 J	0.0421 U	113	0.0417 U	0.136 J	0.0426 U	0.099 J	0.0435 U

Table 5-2
Groundwater Analytical Results
Former Planters Hotel Site
Sunnyside, Washington

NOTES:

Shading (color key below) indicates values that exceed screening criteria; non-detects ("U" or "UJ") were not compared with screening criteria.

Method A or B. The lower of the Method B cancerous or noncancerous values applied when Method A was not available.

cPAH TEQ = carcinogenic PAH toxicity equivalence.

ft bgs = feet below ground surface.

J = estimated value.

mg/L = milligrams per liter.

MTCA = Motel Toxics Control Act.

ND = non-detect.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

TPH = total petroleum hydrocarbons.

U = Result is non-detect to detection limit.

UJ = Result is non-detect with an estimated detection limit.

ug/kg = micrograms per kilogram.

ug/L = micrograms per liter.

VOC = volatile organic compound.

[a]TPH gasoline range hydrocarbon with no detectable benzene value.

[b]Diesel + Lube Oil Range Hydrocarbons are the sum of diesel range hydrocarbon and oil range hydrocarbon where non-detect results are included at one-half the detection limit; when all results are non-detect, the highest detection limit is used.

[c]Total xylene is the sum of o-xylene and m,p-xylene where non-detect results are included at one-half the detection limit; when all results are non-detect, the highest detection limit is used.

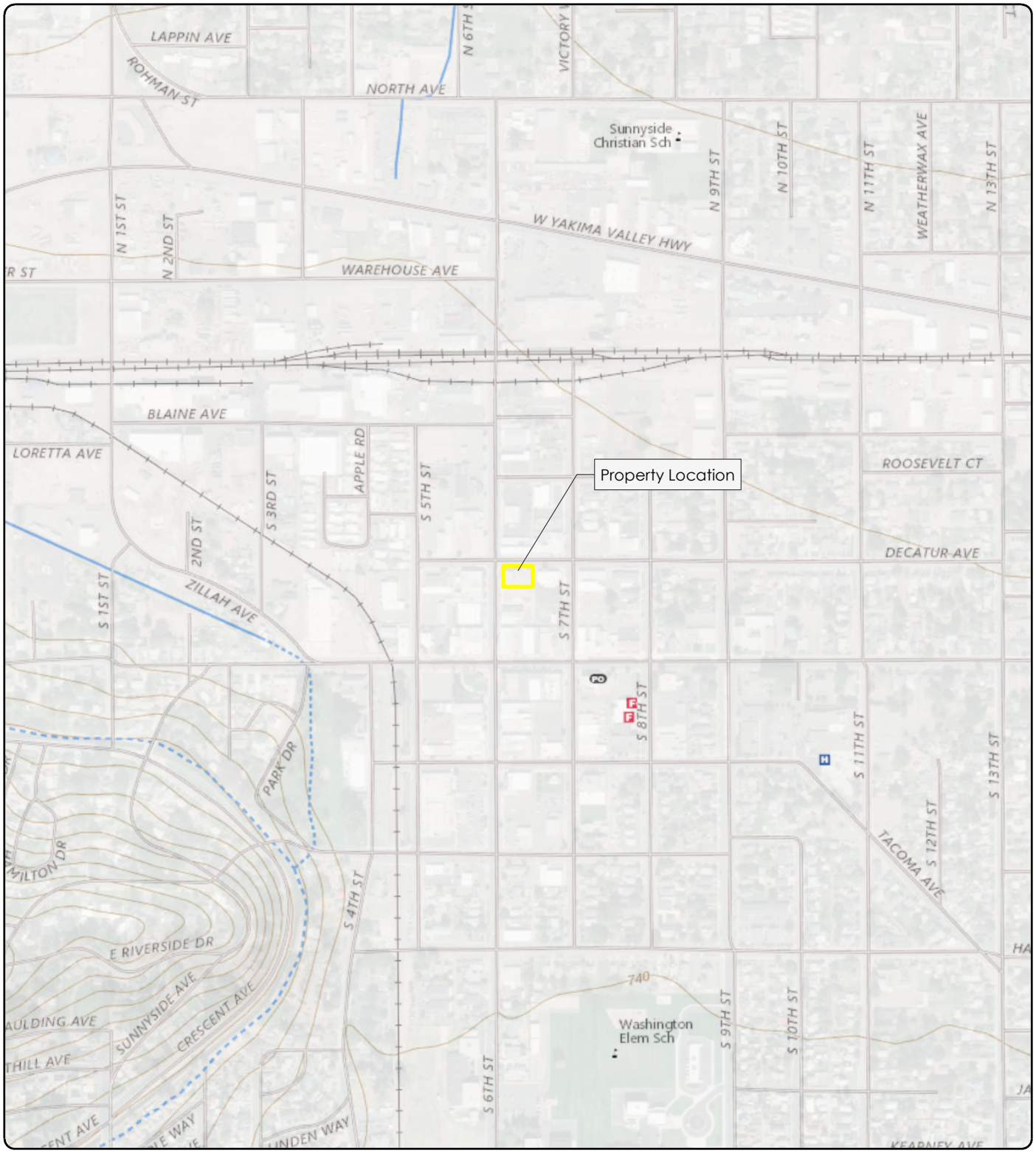
[d]cPAH TEQ values are based on toxic equivalence factors.

[e]Total naphthalene is the sum of 1-methylnaphthalene, 2-methylnaphtalene, and naphthalene where non-detect results are included at one-half the detection limit; when all results are non-detect, the highest detection limit is used.

REFERENCES:

[1]Washington State Department of Ecology—Cleanup Levels and Risk Calculation Master Table. February 2021.
[2]Washington Ecology Evaluating the Human Heath Toxicity of Carcinogenic PAHs Using Toxicity Equivalence Factors. 2015.

FIGURES



Source:
U.S. Geological Survey (2020) 7.5-minute topographic quadrangle: Sunnyside.
Township10 North, Range 22 East, Section 25.
Property boundary obtained from Yakima County GIS.

Legend

Property Boundary

Figure 1-1
Property Location

Former Planters Hotel Site
400 S Sixth Street
Sunnyside, Washington

0 400 800
Feet

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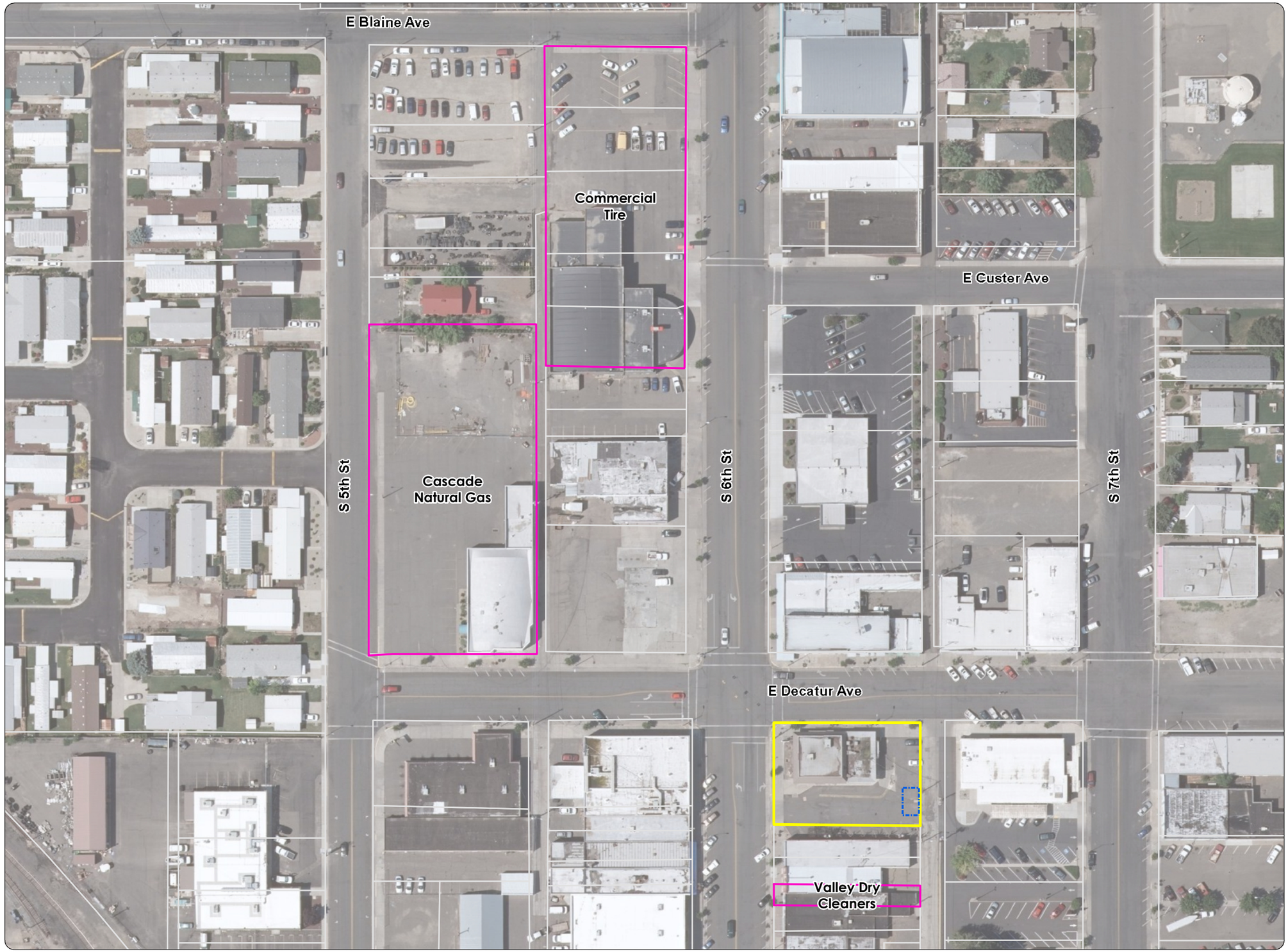

Figure 2-1
Property Overview

Former Planters Hotel Site
400 S Sixth Street
Sunnyside, Washington

Legend

- Former UST Excavation
- Off-Property RECs
- Property Boundary
- Tax Lots

All locations are approximate.
ASTM E1527-13 defines RECs as the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.
REC = recognized environmental condition.
UST = underground storage tank.

0 50 100
Feet

Source:
Aerial photograph obtained from Esri.
Tax lot data obtained from Yakima County GIS.

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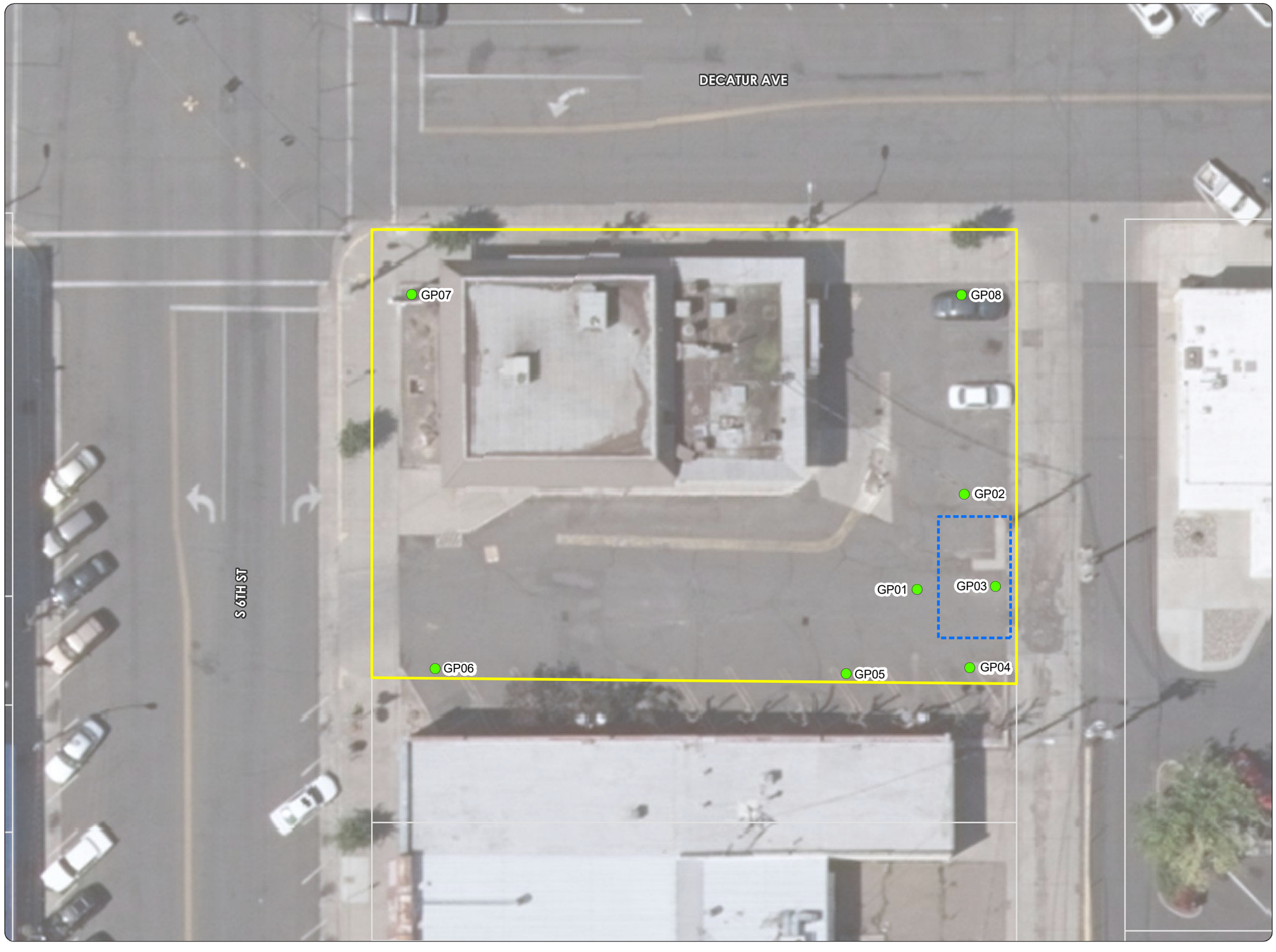

Figure 3-1
Investigation Locations

Former Planters Hotel Site
400 S Sixth Street
Sunnyside, Washington

Legend

- Boring Location
- Former UST Excavation
- Property Boundary
- Tax Lots

0 10 20
Feet

Source:
Aerial photograph obtained from Esri.
Tax lot data obtained from Yakima County GIS.

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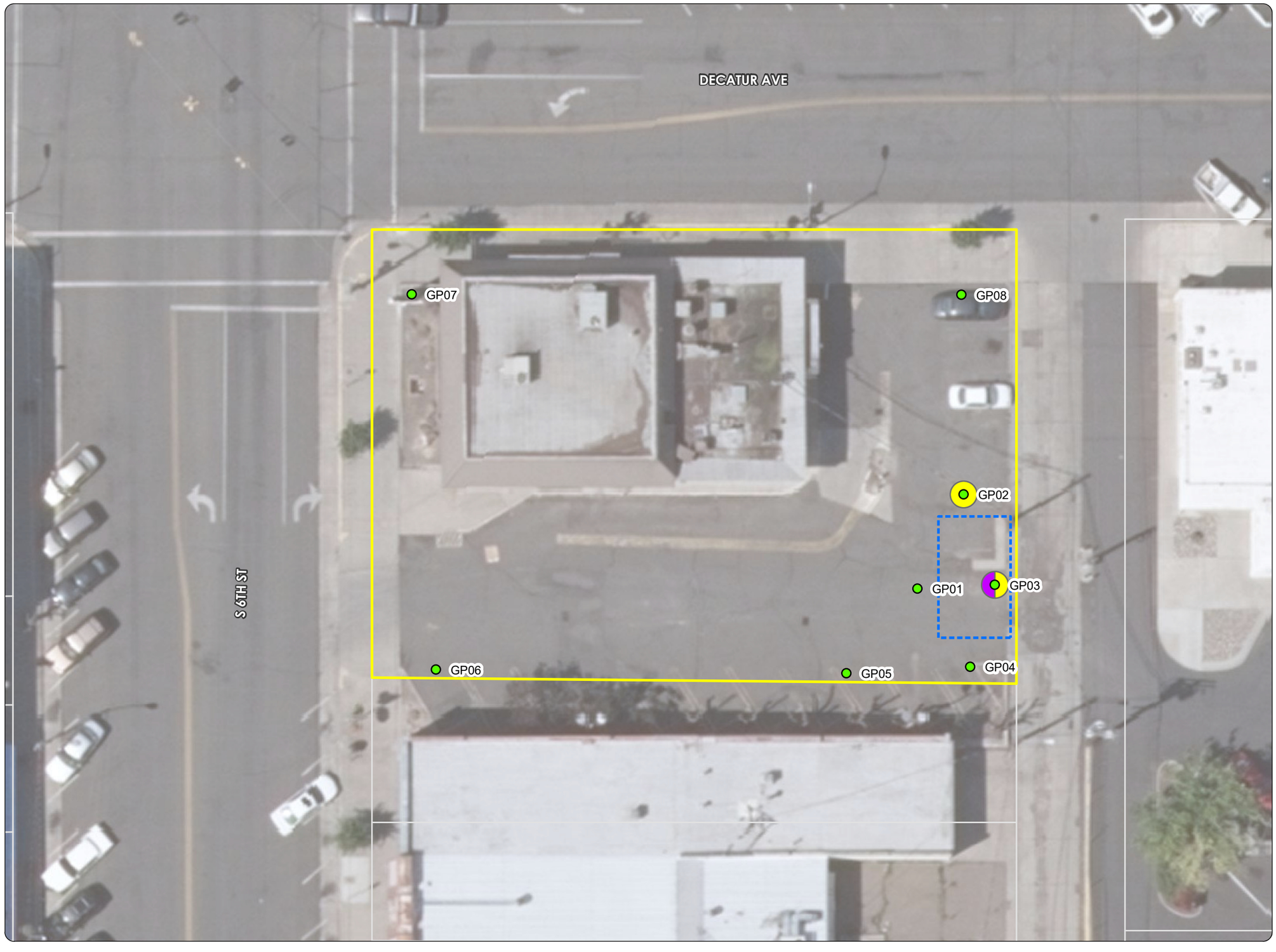

Figure 5-1
Soil and Groundwater Exceedances

Former Planters Hotel Site
400 S Sixth Street
Sunnyside, Washington

Legend

- Boring
- Soil MTCA CUL Exceedance
- Groundwater MTCA CUL Exceedance
- Former UST Excavation
- Property Boundary
- Tax Lots

NOTES:
CUL = cleanup level.
MTCA = Model Toxics Control Act.

0 10 20
Feet

Source:
Aerial photograph obtained from Esri.
Tax lot data obtained from Yakima County GIS.

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APPENDIX A
BORING LOGS

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Geologic Borehole Log

Project Number	Boring Number	Sheet
0346.11.02	GP01	1 of 1

Project Name	Former Planters Hotel Site Investigation		
Project Location	400 S Sixth Street, Sunnyside, Washington	Surface Elevation (feet)	
Start/End Date	4/6/2021 to 4/6/2021	Northing	
Driller/Equipment	Pacific Soil and Water, Inc./Geoprobe	Easting	
Geologist/Engineer	D. Domenighini	Total Depth of Borehole	20.0-feet
Sample Method	Macro-Core	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1							0 to 3.0 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
2					0.0		
3		60					@ 2.0 feet: Brick.
4							3.0 to 5.0 feet: No recovery.
5							
6	▽			GP01-S-5.5	0.0		5.0 to 9.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; moist.
7							@ 6.0 feet: Becomes wet.
8		80			0.0		
9					0.0		
10	▼						9.0 to 10.0 feet: No recovery.
11					0.1		10.0 to 14.0 feet: SILT (ML); brown; 90% fines, medium plasticity; 10% sand, fine; soft; no odor; no sheen; wet.
12							
13		80			0.0		
14							14.0 to 15.0 feet: No recovery.
15							
16				GP01-GW-15	0.0		15.0 to 20.0 feet: SILT (ML); brown; 90% fines, medium plasticity; 10% sand, fine; soft; no odor; no sheen; wet.
17							
18		100			0.1		
19							
20					0.0		

Total Depth = 20.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 20.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 10.0 to 20.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 20.0 feet bgs: Bentonite chips hydrated with potable water.

▽ **Water level at 6.0 feet bgs at time of drilling.** ▼ **Water level measurement at 9.70 feet bgs, measured after temporary well installation.**

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

MAUL FOSTER ALONGI

Geologic Borehole Log

Project Number	Boring Number	Sheet
0346.11.02	GP02	1 of 1

Project Name	Former Planters Hotel Site Investigation		
Project Location	400 S Sixth Street, Sunnyside, Washington	Surface Elevation (feet)	
Start/End Date	4/7/2021 to 4/7/2021	Northing	
Driller/Equipment	Pacific Soil and Water, Inc./Geoprobe	Easting	
Geologist/Engineer	D. Domenighini	Total Depth of Borehole	20.0-feet
Sample Method	Macro-Core	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1					0.0		0 to 3.5 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
2							
3		70			0.0		
4							3.5 to 5.0 feet: No recovery.
5					0.1		5.0 to 9.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; moist.
6							
7					0.0		
8		80					
9	▽			GP02-S-8	0.0		@ 8.5 feet: Becomes wet.
10	▼						9.0 to 10.0 feet: No recovery.
11					0.0		10.0 to 20.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; soft; no odor; no sheen; wet.
12							
13		100			0.0		
14							
15					0.1		
16				GP02-GW-15	0.1		
17							
18		100			0.0		
19							
20					0.0		

Total Depth = 20.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 20.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 10.0 to 20.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 20.0 feet bgs: Bentonite chips hydrated with potable water.

▽ **Water level at 8.5 feet bgs at time of drilling.** ▼ **Water level measurement at 10.10 feet bgs, measured after temporary well installation.**

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

Geologic Borehole Log

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Project Number	Boring Number	Sheet
0346.11.02	GP03	1 of 1

Project Name	Former Planters Hotel Site Investigation		
Project Location	400 S Sixth Street, Sunnyside, Washington	Surface Elevation (feet)	
Start/End Date	4/7/2021 to 4/7/2021	Northing	
Driller/Equipment	Pacific Soil and Water, Inc./Geoprobe	Easting	
Geologist/Engineer	D. Domenighini	Total Depth of Borehole	20.0-feet
Sample Method	Macro-Core	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1					0.0		0 to 3.0 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
2							@ 0.5 feet: Brick.
3		60			0.2		
4							3.0 to 5.0 feet: No recovery.
5					0.5		
6							5.0 to 9.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; soft; no odor; no sheen; moist.
7	▽			GP03-S-6	53.8		@ 6.0 feet: Becomes dark gray-black; petroleum-like odor; moderate sheen.
8		80					@ 6.5 feet: Becomes wet.
9					2.8		
10	▼						9.0 to 10.0 feet: No recovery.
11					1.3		10.0 to 20.0 feet: SILT (ML); brown; 90% fines, medium plasticity; 10% sand, fine; firm; no odor; no sheen; wet.
12							
13		100			0.4		
14							
15					0.1		
16				GP03-GW-15			
17					0.1		
18		100					
19					0.0		
20					0.2		

Total Depth = 20.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 20.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 10.0 to 20.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 20.0 feet bgs: Bentonite chips hydrated with potable water.

▽ **Water level at 6.5 feet bgs at time of drilling.** ▼ **Water level measurement at 10.0 feet bgs, measured after temporary well installation.**

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

MAUL FOSTER ALONGI

Geologic Borehole Log

Project Number	Boring Number	Sheet
0346.11.02	GP04	1 of 1

Project Name	Former Planters Hotel Site Investigation		
Project Location	400 S Sixth Street, Sunnyside, Washington	Surface Elevation (feet)	
Start/End Date	4/7/2021 to 4/7/2021	Northing	
Driller/Equipment	Pacific Soil and Water, Inc./Geoprobe	Easting	
Geologist/Engineer	D. Domenighini	Total Depth of Borehole	20.0-feet
Sample Method	Macro-Core	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1							0 to 2.5 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
2					0.0		
3		50					2.5 to 5.0 feet: No recovery.
4							
5							
6					0.0		5.0 to 9.5 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; moist.
7					0.1		
8		90					
9	▽			GP04-S-8	0.0		@ 8.5 feet: Becomes wet.
10	▼						9.5 to 10.0 feet: No recovery.
11					0.0		10.0 to 20.0 feet: SILT (ML); brown; 90% fines, medium plasticity; 10% sand, fine; soft; no odor; no sheen; wet.
12					0.0		
13		100					
14							
15					0.0		
16				GP04-GW-15			
17					0.1		
18		100					
19					0.0		
20					0.1		

Total Depth = 20.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 20.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 10.0 to 20.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 20.0 feet bgs: Bentonite chips hydrated with potable water.

▽ **Water level at 8.5 feet bgs at time of drilling.** ▼ **Water level measurement at 9.90 feet bgs, measured after temporary well installation.**

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

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Geologic Borehole Log

Project Number	Boring Number	Sheet
0346.11.02	**GP05**	**1 of 1**

Project Name	**Former Planters Hotel Site Investigation**		
Project Location	**400 S Sixth Street, Sunnyside, Washington**	Surface Elevation (feet)	
Start/End Date	**4/6/2021 to 4/6/2021**	Northing	
Driller/Equipment	**Pacific Soil and Water, Inc./Geoprobe**	Easting	
Geologist/Engineer	**D. Domenighini**	Total Depth of Borehole	**15.0-feet**
Sample Method	**Macro-Core**	Outer Hole Diam	**2.25-inch**

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1							0 to 4.0 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
2					0.0		@ 1.0 foot: Brick.
3		80					
4					0.1		
5							4.0 to 5.0 feet: No recovery.
6					0.0		5.0 to 9.5 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; soft; no odor; no sheen; moist.
7	▽			GP05-S-6	0.0		@ 6.5 feet: Becomes wet.
8		90					
9	▼				0.0		
10							9.5 to 10.0 feet: No recovery.
11					0.0		10.0 to 15.0 feet: SILT (ML); brown; 90% fines, medium plasticity; 10% sand, fine; soft; no odor; no sheen; wet.
12							
13		100		GP05-GW-12	0.1		
14							
15					0.0		

Total Depth = 15.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 15.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 5.0 to 15.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 15.0 feet bgs: Bentonite chips hydrated with potable water.

▽ **Water level at 6.5 feet bgs at time of drilling.** ▼ **Water level measurement at 9.40 feet bgs, measured after temporary well installation.**

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

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Geologic Borehole Log

Project Number	Boring Number	Sheet
0346.11.02	GP06	1 of 1

Project Name	Former Planters Hotel Site Investigation		
Project Location	400 S Sixth Street, Sunnyside, Washington	Surface Elevation (feet)	
Start/End Date	4/6/2021 to 4/6/2021	Northing	
Driller/Equipment	Pacific Soil and Water, Inc./Geoprobe	Easting	
Geologist/Engineer	D. Domenighini	Total Depth of Borehole	20.0-feet
Sample Method	Macro-Core	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1							0 to 4.0 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
2					0.1		
3		80			0.3		
4							
5							4.0 to 5.0 feet: No recovery.
6					0.0		5.0 to 20.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; moist.
7							
8	▽	100		GP06-S-7.5	0.2		@ 8.0 feet: Becomes wet.
9					0.0		
10	▼				0.2		
11							
12		100			0.0		
13							
14					0.2		
15				GP06-GW-15			
16					0.1		
17							
18		100			0.0		
19							
20							

Total Depth = 20.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 20.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 10.0 to 20.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 20.0 feet bgs: Bentonite chips hydrated with potable water.

▽ Water level at 8.0 feet bgs at time of drilling. ▼ Water level measurement at 10.40 feet bgs, measured after temporary well installation.

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

MAUL FOSTER ALONGI

Geologic Borehole Log

Project Number	Boring Number	Sheet
0346.11.02	GP07	1 of 1

Project Name	Former Planters Hotel Site Investigation		
Project Location	400 S Sixth Street, Sunnyside, Washington	Surface Elevation (feet)	
Start/End Date	4/6/2021 to 4/6/2021	Northing	
Driller/Equipment	Pacific Soil and Water, Inc./Geoprobe	Easting	
Geologist/Engineer	D. Domenighini	Total Depth of Borehole	20.0-feet
Sample Method	Macro-Core	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1							0 to 0.5 feet: GRAVEL (GP); 100% gravel, medium grained, subangular; loose; dry.
2					0.0		0.5 to 2.5 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
3		50					2.5 to 5.0 feet: No recovery.
4							
5							
6							5.0 to 9.5 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; moist.
7	▽			GP07-S-6	0.7		@ 6.5 feet: Becomes wet.
8		90					
9					0.0		
10							9.5 to 10.0 feet: No recovery.
11	▼				0.1		10.0 to 20.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; wet.
12							
13		100			0.1		
14							
15					0.0		
16				GP07-GW-15			
17					0.0		
18		100					
19					0.0		
20							

Total Depth = 20.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 20.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 10.0 to 20.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 20.0 feet bgs: Bentonite chips hydrated with potable water.

▽ **Water level at 6.5 feet bgs at time of drilling.** ▼ **Water level measurement at 10.40 feet bgs, measured after temporary well installation.**

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

MAUL FOSTER ALONGI

Geologic Borehole Log

Project Number	Boring Number	Sheet
0346.11.02	GP08	1 of 1

Project Name	Former Planters Hotel Site Investigation		
Project Location	400 S Sixth Street, Sunnyside, Washington	Surface Elevation (feet)	
Start/End Date	4/7/2021 to 4/7/2021	Northing	
Driller/Equipment	Pacific Soil and Water, Inc./Geoprobe	Easting	
Geologist/Engineer	D. Domenighini	Total Depth of Borehole	20.0-feet
Sample Method	Macro-Core	Outer Hole Diam	2.25-inch

Depth (feet, BGS)	Water Levels	Percent Recovery	Screen Int.	Sample Data: Sample ID	Sample Data: PID (ppm)	Lithologic Column	Soil Description
1					0.0		0 to 3.5 feet: SILT with SAND (ML); brown; 80% fines, low plasticity; 20% sand, fine; soft; no odor; no sheen; moist.
2							
3		70			0.0		@ 3.0 feet: Brick.
4							3.5 to 5.0 feet: No recovery.
5							
6							5.0 to 9.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; moist.
7	▽			GP08-S-6	0.1		@ 6.5 feet: Becomes wet.
8		80					
9					0.0		
10	▼						9.0 to 10.0 feet: No recovery.
11					0.1		10.0 to 20.0 feet: SILT (ML); brown; 90% fines, low plasticity; 10% sand, fine; firm; no odor; no sheen; wet.
12							
13		100			0.0		
14							
15					0.2		
16				GP08-GW-15			
17					0.0		
18		100					
19					0.0		
20							

Total Depth = 20.0 feet bgs

NOTES:

1) bgs = below ground surface. 2) PID = photoionization detector. 3) ppm = parts per million.

Borehole Completion Details
0 to 20.0 feet bgs: 2.25-inch borehole.

Reconnaissance Well Completion Details
Temporary polyvinyl chloride screen from 10.0 to 20.0 feet bgs, indicated by dashed graphic in the screen interval column.

Borehole Abandonment Details
0 to 20.0 feet bgs: Bentonite chips hydrated with potable water.

▽ **Water level at 6.5 feet bgs at time of drilling.** ▼ **Water level measurement at 10.10 feet bgs, measured after temporary well installation.**

MFA BOREHOLE W/RECON SCREEN W:\GINT\GINTW\PROJECTS\0346.11\GP01-GP08.GPJ 4/30/21

APPENDIX B

STANDARD OPERATING PROCEDURES

MAUL FOSTER ALONGI

STANDARD OPERATING PROCEDURE

Lithologic Logging

SOP Number: 2
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes the methods for observing and documenting the physical characteristics of unconsolidated geologic materials (soil and sediment) encountered during field investigations. If a Maul Foster & Alongi, Inc. (MFA) project requires hard rock drilling and description of rock core or cuttings, procedures for describing rock should be specified in a project-specific sampling and analysis plan (SAP).

EQUIPMENT AND MATERIALS REQUIRED

The following materials are necessary for this procedure:

- Blank field forms (e.g., boring logs) for documenting observations
- Dry-erase board
- Camera
- Munsell soil color chart (where required)
- MFA field logging checklist

METHODOLOGY

When the project-specific SAP specifies additional or different requirements for lithologic logging, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used. MFA uses a combination of the Unified Soil Classification System (USCS) and the ASTM International method D2487 for describing and classifying soil and sediment by visual and manual examination. Before beginning fieldwork, verify with the project manager the logging standard to be used.

Logging Process:

The objective of lithologic logging is to document the physical characteristics of soil and sediment encountered and the changes in characteristics with depth. Typically, changes with depth will define the strata encountered. Therefore, each stratum encountered should be identified and the following characteristics described in the order given:

- Depth interval of each stratum to the nearest tenth of a foot below ground surface
- USCS classification Group Name and Symbol
- Color, using the Munsell color chart
- Grain-size distribution, as percentages of fines (silt and clay combined), sand, and gravel
- Percentages of larger gravels (cobbles and boulders) if present.
- Consistency when the content of fines is 50 percent or greater
- Density when the combined percentage of sand and gravel is 50 percent or greater
- Sand and gravel grain shapes
- Chemical odors, if noticeable
- Structures, if present (e.g., laminae, pores)
- Presence of organic matter (e.g., roots, leaves, twigs, wood fragments)
- Moisture content as "dry," "moist," or "wet"
- If possible, a description of the origin of each stratum (e.g., fill, alluvium)

MAUL FOSTER ALONGI

STANDARD OPERATING PROCEDURE

Field Screening for VOCs in Soil

SOP Number: 3
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes the use of a photoionization detector (PID) to field screen soil for evidence of organic vapors. The PID measures the organic vapor concentration in parts per million, is not compound-specific.

Never rely on a stand-alone PID reading to identify organic chemical contamination in soil. Always collect multiple PID readings (e.g., at multiple depths along the length of a soil core), since it is the relative difference in concentration between multiple readings (e.g., a sudden increase in concentration at a certain depth interval) that is the typical indictor of contamination. Additionally, PID readings should always be accompanied by observation of the soil samples for other indictors of contamination, such as soil staining or chemical odors, so that these multiple lines of evidence can be used together to identify potential organic chemical contamination in the field.

EQUIPMENT AND MATERIALS REQUIRED

The following materials are necessary for this procedure:

- Personal protective equipment (as specified in the health and safety plan)
- PID with calibration gas
- Ziploc®-type bags
- Field forms or notebook for documenting PID readings

METHODOLOGY

When the project-specific sampling and analysis plan (SAP) specifies additional or different requirements for organic vapor field screening, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used.

The electron volt (eV) rating for the PID lamp (e.g., 9.8, 10.6, 11.7) must be greater than the ionization potential (in eV) of a compound in order for the PID to detect the compound. A lamp of at least 9.8 eV should be used for petroleum hydrocarbons. A lamp of at least 10.6 eV should be used for typical chlorinated alkenes. If the project health and safety plan does not specify the lamp size, verify the compatibility of the lamp size with the anticipated compounds expected to be present in soil prior to the field activities, and confirm with the project manager.

General Procedure:

Calibration:

- The PID should be calibrated daily (or more frequently, as needed).
- Calibrate the PID according to the manufacturer's instructions.
- Document the calibration activities and results in the field notebook.

Measuring organic vapor content:

- Place a representative volume (generally, a "handful") of freshly exposed soil into a Ziploc-type bag.
- Seal the bag and gently knead the bag to loosen the soil.
- Let the bag set for several minutes to allow organic vapors, if present, to volatilize from the soil into the headspace of the bag.

- Partially open the bag so that the tip of the PID intake tube can be inserted into the bag but is not in contact with the soil, then close the bag seal around the intake tube.
- Record the PID measurement and document results in the field notes or boring log.

Static Sheen Test Procedure and Observations:

Sheen Test Procedure:

- Following the PID screen discussed above, add enough water to cover the soil in the container.
- Observe the water for signs of discoloration/sheen and characterize per the table below.

When static sheen testing is required or when making observations of a water surface the following table presents descriptions to be used (consistent with Department of Ecology Guidance)[1].

No Sheen (NS)	No visible sheen on the water surface
Slight Sheen (SS)	Light, colorless, dull sheen; spread is irregular, not rapid. Natural organic oils or iron bacteria in the soil may produce a slight sheen.
Moderate Sheen (MS)	Pronounced sheen over limited area; probably has some color/iridescence; spread is irregular, may be rapid; sheen does not spread over entire water surface.
Heavy Sheen (HS)	Heavy sheen with pronounced color/iridescence; spread is rapid; the entire water surface is covered with sheen.
Biogenic Film (BF)	False positive results may be generated by the presence of decaying organic matter and iron bacteria, which can produce a rainbow-like sheen similar to an oil sheen. These sheens, unlike oil sheens, can typically be broken up creating platy or blocky fragments when agitated or disturbed. Biogenic films can also be foamy.

[1] Department of Ecology. 2016. Guidance for remediation of petroleum contaminated sites. June.

MAUL FOSTER ALONGI

STANDARD OPERATING PROCEDURE

Surface and Subsurface Soil Sampling Using Hand Tools

SOP Number: 4
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes the use of hand tools for obtaining surface and subsurface soil samples for physical and/or chemical analysis. For other projects where mechanical equipment is used (e.g., drill rig or excavator), it may be possible to obtain the sample manually, for example by grabbing soil directly from a drilled soil core or excavator bucket, thereby precluding the need for hand tools.

EQUIPMENT AND MATERIALS REQUIRED

The following materials are necessary for this procedure:

- Personal protective equipment (as specified in the Health and Safety Plan)
- Tools appropriate for the conditions that may be encountered (e.g., spoon, trowel, shovel, hand auger); tools constructed of stainless steel are preferred.
- Stainless steel bowls
- Tape measure with increments in feet and tenths of a foot.
- Laboratory-supplied sample containers
- Laboratory chain-of-custody form and cooler with ice.
- Equipment decontamination supplies if sampling equipment will be reused between sample locations (see SOP 1 for equipment decontamination procedures).
- Field forms or notebook for documenting the sampling procedures.

METHODOLOGY

When the project-specific sampling and analysis plan (SAP) specifies additional or other requirements for soil sampling, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used.

General Procedure:

- Don gloves as specified in the Health and Safety Plan; replace gloves with new gloves after each sample is collected.
- Clear the ground surface of brush, root mat, grass, leaves, and other debris.
- Use the selected hand tool to remove soil to the targeted sample depth. Use a measuring tape to verify that the sample depth is correct and record the depth in the field notebook or boring log.
- Describe and document the soil lithology in accordance with SOP 2.
- If the sample volume requirement is small (generally one or two 8-ounce jars), the soil can be placed directly into the sample container. This can be done manually; however, if the gloves have become soiled during excavation, don new gloves before collecting the sample.
- If the sample volume requirement is large, or composite sample collection is required, collect the soil and homogenize in a decontaminated stainless-steel bowl or a dedicated Ziploc® bag and then manually transfer the sample to the sample container. If the gloves have become soiled during excavation, don new gloves before collecting the samples.

- Before sample collection, and to the extent possible, remove organic debris, anthropogenic material (e.g., brick, metal, glass), and gravels larger than 4 millimeters, unless a project-specific SAP directs otherwise.
- When sampling for gasoline-range total petroleum hydrocarbons (gasoline) or volatile organic compounds (VOCs), a subsample will be obtained from a discrete portion of the collected sample. To minimize the potential loss of volatiles during sampling, the subsample shall not be composited or homogenized. The sample container for gasoline and/or VOC analysis will be filled first if additional containers are necessary for other analysis. Specific procedures for collecting samples for gasoline and/or VOC analysis using the U.S. Environmental Protection Agency Method 5035 are specified in SOP 5.
- The sampling device and field equipment will be decontaminated between sample locations in accordance with SOP 1. Alternatively, new, disposable equipment can be used to collect each sample to preclude the need for equipment decontamination.

Backfilling Sample Locations:

Backfill in accordance with federal and state regulations (e.g., Oregon bentonite requirements per OAR 690-240-0035). Otherwise, manual excavations can be backfilled with excess soil remaining after sample collection, unless the project-specific SAP requires a different backfill procedure.

MAUL FOSTER ALONGI

STANDARD OPERATING PROCEDURE

EPA Method 5035 Soil Sampling

SOP Number: 5
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes the methods for obtaining soil samples for chemical analysis for gasoline-range petroleum hydrocarbons (gasoline) and volatile organic compounds (VOCs) by U.S. Environmental Protection Agency Method 5035A.

EQUIPMENT AND MATERIALS REQUIRED

The following materials are necessary for this procedure:

- Sampling equipment (e.g., Terra Core Sampler™ or similar sampler capable of collecting a 5-gram soil sample).
- Laboratory-supplied sample containers:
  - Preweighed and labeled 40-milliliter volatile organic analysis (VOA) vials, including preservative (typically methanol)
  - Two-ounce jar for percent total solids/moisture (if required, confirm with the laboratory)
- Laboratory chain-of-custody form and cooler with ice.
- Equipment decontamination supplies if sampling equipment will be reused between sample locations (see SOP 1 for equipment decontamination procedures).
- Field forms or notebook for documenting the sampling procedures.

METHODOLOGY

When the site-specific sampling and analysis plan (SAP) specifies additional or different requirements for soil sampling, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used.

Laboratory Analytical Considerations:

- VOCs must be analyzed within 14 days of sample collection.
- Samples must be maintained at less than 4°±2°C.
- Discrete VOC samples may be composited at the laboratory.

General Procedure:

- When using the Terra Core Sampler, seat the plunger in the handle.
- Collect the sample by pushing the sampler into the soil until the soil has filled the sampler.
- Remove the sampler and confirm that the soil in it is flush with the mouth of the sampler.
- Wipe all debris from the outside of the sampler. Remove any excess collected soil that extends beyond the mouth of the sampler.
- Rotate the plunger handle 90 degrees until it is aligned with the slots in the body of the sampler. Place the mouth of the sampler into the sample container and extrude the sample into the sample container by pushing the plunger down. Hold the sample at an angle when extruding to minimize splashing of the preservative.
- Immediately remove any soil or debris from the threads of the vial and place the lid on the vial.

- Gently swirl the vial (do not shake) to allow the preservative to uniformly penetrate and wet the soil.
- Repeat process for each additional sample container.
- If required by the laboratory, fill a 2-ounce container to capacity for percent total solids determination.

MAUL FOSTER ALONGI

STANDARD OPERATING PROCEDURE

Push-Probe Drilling

SOP Number: 7
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes the use of a push probe (i.e., Geoprobe™) to observe subsurface conditions and collect samples of various environmental media (e.g., soil, sediment, groundwater, soil vapor) for laboratory analysis. Push-probe drilling is generally not suitable for soils with gravel/rock clast larger than about 4 inches in diameter. If gravelly/rocky soils are expected at the project site, consider use of the sonic drilling method described in SOP 8.

Push-probe drilling can be used for a variety of purposes, including:

- Retrieving cores to document subsurface soil or sediment conditions and to obtain samples for physical and/or chemical evaluation
- Sampling soil vapors, using temporary well points
- Collecting reconnaissance groundwater samples from temporary well screens
- Installing permanent monitoring wells

EQUIPMENT AND MATERIALS REQUIRED

The following equipment and materials are necessary for this procedure:

- Push-probe drill rig and operator provided by a subcontractor to MFA. Ensure that the subcontractor is licensed to perform the drilling work.
- Sampling equipment appropriate for the media to be sampled (e.g., water level meter, pumps, hand tools, and pump tubing).
- Laboratory-supplied sample containers.
- Traffic cones, measuring tape, buckets.
- Department of Transportation (DOT)-approved containers (e.g., 55-gallon drum) for storing excess soil and decontamination water; the drums are typically provided by the drilling subcontractor.
- Boring log form and notebook.
- Equipment decontamination supplies if sampling equipment will be reused between sample locations (see SOP 1 for equipment decontamination procedures).
- Personal protective equipment (as required by the project health and safety plan).

METHODOLOGY

When the project-specific sampling and analysis plan (SAP) provides additional or different requirements for push-probe drilling, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used.

Utility Locate:

- Before beginning the fieldwork, assess the proposed drilling location(s) for the presence of overhead and underground utilities, and adjust the locations, as needed, to avoid identified utilities.
- See SOP 18 for the utility locating procedures.

Push-Probe Drilling Process:

- The push-probe drilling rig is equipped with a soil sampling device that retrieves a continuous soil core. A combination of static force and percussion is used to drive the soil sampler into unconsolidated geologic material. A plastic liner placed inside the sampler contains the soil core and permits its removal from the sampler for examination. The sampler is driven into the subsurface, typically in 4- or 5-foot intervals, depending on the length of the sampling device. When each interval depth is reached, the soil sampler is removed from the ground, and the liner is removed to facilitate soil observation and sampling.
- This process is repeated for each soil sample interval until the targeted boring depth is reached.
- Ensure that the drilling subcontractor decontaminates all subsurface equipment before and after each boring. Document the decontamination procedures in the field notebook. Store decontamination water in DOT-approved containers for later off-site disposal.

Logging and Soil Sampling Process:

- Remove the soil core from the sampler for field screening, description, and sampling.
- Describe the lithology in accordance with SOP 2.
- Confirm the required depth interval(s) for soil sample collection and field screening with the MFA project manager, or conduct the work in accordance with the SAP. The sample interval may require adjustment based on core recovery, soil stratigraphy and characteristics, and evidence of contamination. Confirm any adjustments to the sample intervals with the project manager.
- If the project requires field screening for organic vapor, conduct it in accordance with SOP 3.
- If the project requires laboratory analyses for gasoline-range petroleum hydrocarbons or volatile organic compounds, conduct the sampling in accordance with SOP 5.
- Contain all soil core remaining after sample collection in DOT-approved containers for later off-site disposal. See SOP 1 for drum storage, labeling, and documentation procedures.

Reconnaissance Groundwater Sampling Process:

- Typically, reconnaissance groundwater samples are collected at the first occurrence of groundwater in a boring. Confirm the required depth and procedures for groundwater sample collection with the MFA project manager, or conduct the work in accordance with the SAP. If the project requires use of the low-flow sampling method, refer to SOP 9 for the low-flow sampling procedures.
- Reconnaissance groundwater samples are collected using a decontaminated stainless steel or disposable, temporary polyvinyl chloride well screen placed in the boring. If the soils in the boring are fine-grained and may cause excessive turbidity in groundwater, consider using a filter pack around the screen to reduce turbidity. Alternatively, purging the well screen of groundwater prior to sample collection may also reduce the turbidity. See SOP 9 for purging procedures.
- Purging and sampling will be conducted using a peristaltic pump unless otherwise specified in the SAP. New tubing will be used for each boring. Field parameters (e.g., temperature, conductivity, and pH) will be recorded in accordance with SOP 9 during purging and sampling.

Monitoring Well Installation:

- If the project requires installation of a monitoring well in the boring, refer to SOP 11 for the well installation procedures. Confirm the procedures with the MFA project manager.

Borehole Abandonment Process:

- Abandon each borehole in accordance with local and state regulations/procedures. The abandonment will be performed by the drilling subcontractor.
- The abandonment procedure typically consists of backfilling the boring with granular bentonite and hydrating the bentonite with potable water.
- If the boring was advanced through concrete or asphalt, backfill the boring to about 6 inches below grade to allow for placement of asphalt or concrete in the remaining 6 inches to match the surface conditions.

STANDARD OPERATING PROCEDURE

Low-Flow Groundwater Sampling

SOP Number: 9
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes use of the low-flow sampling method for collection of reconnaissance groundwater samples from borings and groundwater samples from monitoring wells. The method uses low pumping rates during purging and sample collection to minimize water-level drawdown and hydraulic stress at the well-aquifer interface.

EQUIPMENT AND MATERIALS REQUIRED

The following materials are necessary for this procedure:

- Personal protective equipment (as specified in the health and safety plan)
- Water quality meter (e.g., Oakton, YSI Inc. multiparameter meter)
- Turbidity meter
- Water-level meter
- Peristaltic pump and tubing
- Laboratory-supplied sample containers
- Laboratory chain-of-custody form and cooler with ice
- Filter if dissolved analyses will be performed
- Well construction logs documenting the screen depth and interval for all wells to be sampled
- Equipment decontamination supplies if sampling equipment will be reused between sample locations (see SOP 1 for equipment decontamination procedures)
- 5-gallon buckets with lids
- Department of Transportation-approved storage containers (e.g., drums, totes)
- Groundwater field sampling datasheet and notebook

METHODOLOGY

When the project-specific sampling and analysis plan (SAP) provides additional or different requirements for low-flow groundwater sampling, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used.

General Sampling Procedure:

Water Level Measurement

- Water-level measurement procedures are described in detail in SOP 13.
- Open the well cap to allow the water level to equilibrate (approximately ten minutes).
- Measure the water level in the well, using an electronic water-level meter to the nearest 0.01 foot to determine the depth to groundwater below the top of the well casing.
- If light nonaqueous-phase liquid (LNAPL)is present (typically indicated by a dark, oily sheen on the top of the water level meter), discuss with the MFA project manager how to proceed.

Purging

- If the water level is above the top of the well screen, place the end of the sample tubing in the middle of the well screen interval. If the water level is below the top of the screen, place the end of the sample tubing at the midpoint between the water level and the bottom of the well screen.
- Typical low-flow sampling pumping rates range from 0.1 to 0.5 liters per minute, depending on the hydrogeologic characteristics at the site. The objective of the rate selected is to minimize excessive drawdown (<0.3 feet) of the water level.
- Measure water quality parameters (dissolved oxygen, pH, electrical conductivity, turbidity, and temperature) using a flow-through cell connected to the discharge end of the peristaltic pump tubing. Purging will be considered complete when the water quality parameters stabilize per the following for three consecutive readings taken over 3-minute intervals (consistent with EPA guidance)[1]:

  Dissolved Oxygen (10% for values greater than 0.5 mg/L, if three Dissolved Oxygen values are less than 0.5 mg/L, consider the values as stabilized),
  Specific Conductance (3%),
  Temperature (3%),
  pH (± 0.1 unit),
  Oxidation/Reduction Potential (±10 millivolts).

- Document the purge procedures, including pumping rates, water quality parameter measurements, and the water level during purging, on the groundwater field sampling datasheet.
- Place purge water in Department of Transportation-approved containers (e.g., 55-gallon drum) stored on site. See SOP 1 for drum storage, labeling, and documentation procedures.

Sample Collection

- Following the purging process, collect groundwater samples in laboratory-supplied containers.
- Confirm the laboratory analytical methods and sample container requirement with the MFA project manager or project chemist. If analysis for gasoline-range petroleum hydrocarbons or volatile organic compounds (VOCs) is proposed, fill the sample containers for gasoline and VOC analysis before filling sample containers for other analytical methods.

Low Yield (Alternate Method

- If drawdown of the water table cannot be avoided by reducing the pumping rate, and the well goes dry during purging, discontinue pumping and water quality parameter measurements.
- Collect the groundwater sample after the water level above the well bottom recovers to 90 percent of the prepurge water level. For example, if the water level was 10 feet above the well bottom before purging, begin sampling when the water level has recovered to 9 feet or more above the well bottom.
- If the water column volume is insufficient to meet the sample volume requirement, allow the water level to again recover to 90 percent before continuing sampling. Repeat this procedure until all sample containers are filled.

[1] EPA. 2017. Low stress (low flow) purging and sampling procedure for the collection of groundwater samples from monitoring wells. September 19.

MAUL FOSTER ALONGI

STANDARD OPERATING PROCEDURE

Monitoring Well—Water Elevation

SOP Number: 13
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes the methods for obtaining groundwater level measurements and light nonaqueous-phase liquid (LNAPL) measurements from monitoring wells. Measurement may be collected as an independent event or in conjunction with groundwater sampling or sampling of removed LNAPL.

EQUIPMENT AND MATERIALS REQUIRED

The following materials are necessary for this procedure:

- Personal protective equipment (as specified in the health and safety plan)
- Equipment decontamination supplies if equipment will be reused between well locations (see SOP 1 for equipment decontamination procedures)
- Field notebook
- Water-level meter or oil/water interface probe if water levels and LNAPL levels will be measured
- Bailers or tape/paste to confirm LNAPL detections if required; see SOP 10 for procedures for managing LNAPL when removing LNAPL from a well

METHODOLOGY

When the project-specific sampling and analysis plan (SAP) provides additional or different requirements for water-level and LNAPL measurements, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used.

General Sampling Procedure:

Review well construction details and historical groundwater and LNAPL levels and thicknesses if available.

During groundwater sampling events, measurements should be collected before, during, and after purging and sampling. During purging and low-flow sampling, water-level measurements are conducted to ensure that drawdown is not occurring. Low-flow sampling methods are described in SOP 9. The following procedures should be followed when collecting groundwater-level and LNAPL measurements from wells.

Water Level Measurement

1. Test the water-level meter to ensure proper instrument response. This can be accomplished by immersing the probe tip in a small container of water.
2. Open the well cover and cap and allow the water level to equilibrate with atmospheric pressure for several minutes so that a static water level is attained. Audible air movement into or out of the well upon loosening of the well cap is an indication that the water level is not in equilibrium with atmospheric pressure.
3. Locate the measurement reference point at the top of the well casing. Typically, this is a small notch in the casing or a point marked with a pen. If no measure point is present, measure the water level from the north side of the casing and note the result in the field notebook.
4. Lower the water-level meter probe into the well casing until the probe signal indicates that water has been contacted.

5. Observe the depth-to-water (DTW) reading from the measurement reference point at the top of the well casing to the nearest 0.01 foot. Over the course of about a minute, raise and re-lower the probe and observe the resulting DTW reading. If the reading remains unchanged to within 0.01 foot, this is an indication that the water level has equilibrated with atmospheric pressure; the reading can then be recorded in the field notebook as the static water level reading. If the reading changes, allow more time for the water level to become static.
6. If the work scope or SAP requires measurement of the depth-to-bottom (DTB), lower the probe to the bottom of the well and record the DTB reading from the reference point to the nearest 0.01 foot.
7. Remove the probe and decontaminate the probe and the portion of the probe tape inserted into the well casing.

Water Level and LNAPL Measurement

1. Repeat above steps 1 through 7.
2. Lower the interface probe into the well casing until the probe signal indicates that LNAPL has been contacted. Typically, the interface probe will signal by a repeating beep when LNAPL is present. A steady signal indicates that LNAPL is absent and that the probe is recording the DTW.
3. Observe the LNAPL reading as described in step 5 above until a static reading to the nearest 0.01 foot is achieved, and record the reading in the field notebook.
4. Lower the probe until a steady signal indicates that water has been contacted. Observe the water-level reading as described in step 5 above to confirm a static water level, and record the reading in the field notebook.
5. If LNAPL is detected in a well with no prior history of LNAPL presence, or the LNAPL thickness is greater than in prior observations, verify the presence and thickness using an alternative technique (e.g., bailer, tape, and water/petroleum colorimetric paste). See SOP 10 for procedures for managing LNAPL when removing LNAPL from a well.
6. Remove the interface probe and decontaminate the probe and the portion of the probe tape inserted into the well casing.

MAUL FOSTER ALONGI

STANDARD OPERATING PROCEDURE

Underground Utility Locates

SOP Number: 18
Date: 3/9/2021
Revision Number: 0.1

SCOPE AND APPLICATION

This standard operating procedure (SOP) describes the practices for locating underground utilities. Refer to the MFA health and safety plan (HASP) for additional information regarding communication procedures to be followed when an inadvertent utility strike occurs, as well as regarding methods for mitigating hazards during a utility strike.

EQUIPMENT AND MATERIALS REQUIRED

The following materials are necessary for this procedure:

- Personal protective equipment (as specified in the HASP)
- Marking materials (e.g., marking paint, stakes, flags)
- Field documentation materials

METHODOLOGY

When the project-specific sampling and analysis plan (SAP) specifies additional or different requirements for underground utility locates, it takes precedence over this SOP. In the absence of a SAP, the procedures in this SOP shall be used.

Before Conducting Utility Locates:

- Ensure that the locate will be conducted reasonably soon before the excavation work begins, e.g., within 48 hours. There may be project-specific conditions, e.g., weather and/or ground features that could cause markings to fade, which would require scheduling of the excavation work sooner than 48 hours after the locate.
- Clearly define the boundary of the work and the locations of all proposed excavations. Prepare a map of the project area showing the excavation locations.
- Interview site managers/property owners and obtain plans or drawings, if available, showing on-site utilities.
- For project work that will not take place in the public right-of-way, ensure that the public rights-of-way nearest to the project are identified and communicated during the one-call notification.
- Identify the township and range of the project area. This information can be easily attained by a quick email to MFA's GIS Exchange.
- If feasible, conduct a site visit to identify site conditions that could cause fading or disruption of marking paint. Such conditions could include gravel or ground sensitive to erosion and high traffic.
- Check the weather forecast to assess the potential for snow or rain to make marking utilities difficult or cause the markings to fade.

One-Call Utility Notification:

- If possible, initiate the one-call utility notification at least one week before the proposed work begins.
- Include a map or GPS coordinates when submitting the notification.
- Before conducting any excavation activities, confirm with each public utility that the utility locate has been completed.

- On remote or complicated sites, consider meeting public locators on site.
- Document the one-call ticket number and results in the project files.
- Provide the one-call ticket number to subcontractors who will be doing the excavations.

Private Utility Locate:

- Conduct the private utility locate only after confirmation that the public utility locate has been completed and all public utilities have been marked and the results reviewed by MFA staff who will be overseeing the excavations.
- Meet the private locator on site and participate in the entire private utility locate. Be engaged in the process, ask questions, and take time to walk the site thoroughly with the locator.
- Bring a copy of the one-call utility ticket and results of the one-call utility locater to check against the utility markings on the ground.
- If possible, have a site/property representative knowledgeable of on-site utilities participate in the private utility locate.
- If paint alone may not suffice to ensure clear marking of utilities, add vertical markers such as stakes or flags.
- Visually assess the area of the proposed excavation(s) to identify features potentially indicative of buried utilities. Have the private utility locator examine each feature identified below to assess the presence of buried utilities.
  - Examine adjacent public rights-of-way where public utilities have been marked for evidence of utilities that may extend onto the project site.
  - Identify nearby light poles, telephone poles, electrical utility poles, or other overhead utility poles with wires or conductors that run from the overhead utility, down the pole, and into the ground.
  - Identify the location of gas meters, water meters, or other aboveground junction boxes for evidence of utilities extending from these features into the ground.
  - Examine asphalt and concrete ground surfaces for discontinuities in the surface indicative of utility installations. Discontinuities may include recent patches of asphalt or concrete inlaid within older concrete or asphalt surfaces.
  - Identify manholes and catch basins indicative of buried storm or sanitary sewer pipes. Open manholes to examine the orientation of associated pipes to assess whether the utilities may be present near proposed excavations.
  - Identify tank ports and vent pipes.
  - Identify irrigation systems and associated features such as valve boxes and controllers.
  - Identify any other signs indicating the presence of buried utilities.
  - Be wary of utility marks that suddenly begin or dead end.

Preparing to Perform Subsurface Activities after a Locate:

- Ensure that the markings are still visible when the work begins.
- Adjust locations, as needed, to avoid identified utilities, or use alternative methods such as nonmechanical excavation means (i.e., manual excavation or air-knifing) to a minimum depth of 5 feet.

Table
APWA UNIFORM COLOR CODE

	WHITE—Proposed Excavation
	PINK—Temporary Survey Markings
	RED—Electric Power Lines, Cables, Conduit and Lighting Cables
	YELLOW—Gas, Oil, Steam, Petroleum or Gaseous Materials
	ORANGE—Communication, Alarm or Signal Lines, Cables or Conduit
	BLUE—Potable Water
	PURPLE—Reclaimed Water, Irrigation and Slurry Lines
	GREEN—Sewers and Drain Lines
Source: Uniform Color Codes, ANSI Standard Z535.1. American Public Works Association. Revised 1999.	

APPENDIX C

INADVERTENT DISCOVERY PLAN

DEPARTMENT OF ECOLOGY
State of Washington

PLAN AND PROCEDURES FOR THE UNANTICIPATED DISCOVERY OF CULTURAL RESOURCES AND HUMAN SKELETAL REMAINS[1]

PROJECT TITLE: Former Planters Hotel, Sunnyside

COUNTY WASHINGTON: Yakima

400 South 6th Street, Sunnyside, WA 98944 Parcel 24511 SE¼ of the NW¼ of Section 25 Township 10 North, Range 22 East Willamette Principal Meridian Yakima County, Washington Long, Lat: -120.0128, 46.3249

1. INTRODUCTION

The following Inadvertent Discovery Plan (IDP) outlines procedures to perform in the event of discovering archaeological materials or human remains, in accordance with state and federal laws.

2. RECOGNIZING CULTURAL RESOURCES

A cultural resource discovery could be prehistoric or historic. Examples include:

a. An accumulation of shell, burned rocks, or other food related materials.

b. Bones or small pieces of bone.

c. An area of charcoal or very dark stained soil with artifacts.

d. Stone tools or waste flakes (i.e. an arrowhead. or stone chips).

e. Clusters of tin cans or bottles, logging or agricultural equipment that appears to be older than 50 years.

f. Buried railroad tracks, decking, or other industrial materials.

When in doubt, assume the material is a cultural resource.

3. ON-SITE RESPONSIBILITIES

STEP 1: *Stop Work*. If any employee, contractor or subcontractor believes that he or she has uncovered a cultural resource at any point in the project, all work must stop immediately. Notify the appropriate party(s). Leave the surrounding area untouched, and provide a demarcation adequate to provide the total security, protection, and integrity of the discovery. The discovery location must be secured at all times by a temporary fence or other onsite security.

STEP 2: *Notify Archaeological Monitor or Licensed Archaeologist*. If there is an Archaeological Monitor for the project, notify that person. If there is a monitoring plan in

[1] If you need this document in a format for the visually impaired, call Water Quality Reception at Ecology, (360) 407-6600. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

place, the monitor will follow the outlined procedure.

STEP 3: *Notify the Project Manager* of this project and contact the Ecology Staff Project Manager, or other applicable contacts:

Project Manager: Name: Bob Desgrosellier Phone: (509) 728-3455 (cell) Email: Bob.Desgrosellier@yakimawa.gov	Ecology Staff Project Manager Name: Jill Scheffer Phone: 509-571-4162 Email: sche461@ecy.wa.gov

Assigned Alternates:

Assigned Project Manager Alternate: Name: Phone: Email:	Ecology Cultural Resource Specialist (Alternate): Name: Phone: email:

The Project Manager or applicable staff will make all calls and necessary notifications. **If human remains are encountered**, treat them with dignity and respect at all times. Cover the remains with a tarp or other materials (not soil or rocks) for temporary protection and to shield them from being photographed. **Do not call 911 or speak with the media. Do not take pictures unless directed to do so by DAHP. See Section 5.**

4. FURTHER CONTACTS AND CONSULTATION

A. **Project Manager's Responsibilities**:

- *Protect Find*: The Project Manager is responsible for taking appropriate steps to protect the discovery site. All work will stop immediately in a surrounding area adequate to provide for the complete security of location, protection, and integrity of the resource. Vehicles, equipment, and unauthorized personnel will not be permitted to traverse the discovery site. Work in the immediate area will not resume until treatment of the discovery has been completed following provisions for treating archaeological/cultural material as set forth in this document.

- *Direct Construction Elsewhere on-Site*: The Project Manager may direct construction away from cultural resources to work in other areas prior to contacting the concerned parties.

- *Contact Senior Staff*: If the Senior Staff person has not yet been contacted, the Project Manager must do so.

B. **Senior Staff Responsibilities**:

- *Identify Find*: The Senior Staff (or a delegated Cultural Resource Specialist), will ensure that a qualified professional archaeologist examines the area to determine if there is an archaeological find.

- If it is determined not to be of archaeological, historical, or human remains, work may proceed with no further delay.

- If it is determined to be an archaeological find, the Senior Staff or Cultural Resource Specialist will continue with all notifications.

- If the find may be human remains or funerary objects, the Senior Staff or Cultural Resource Specialist will ensure that a qualified physical anthropologist examines the find. **If it is determined to be human remains, the procedure described in Section 5 will be followed.**

- *Notify DAHP*: The Senior Staff (or a delegated Cultural Resource Specialist) will contact the involved federal agencies (if any) and the Washington Department of Archaeology and Historic Preservation (DAHP).

- *Notify Tribes*: If the discovery may be of interest to Native American Tribes, the DAHP and Ecology Supervisor or Coordinator will coordinate with the interested and/or affected tribes.

General Contacts

Federal Agencies:	**State Agencies**:
Agency: Name Title Number Email	Agency: Name Title Number Email

Department of Archaeology and Historic Preservation:

Dr. Allyson Brooks State Historic Preservation Officer 360-586-3066 Assigned Alternate:	Rob Whitlam, Ph.D. Staff Archaeologist 360-586-3050 Assigned Alternate:

The DAHP or appropriate Ecology Staff will contact the interested and affected Tribes for a specific project.

Tribes consulted on this project are:

Tribe: Confederated Tribes and Bands of the Yakama Nation	**Tribe:** Confederated Tribes and Bands of the Yakama Nation
Name: Johnson Meninick	**Name:** Noah Oliver
Title: Program Manager, Yakama Nation Cultural Resources Program	**Title:** Archaeologist
Phone: 509-865-5121 ext. 4737	**Phone:** 509-865-5121 ext. 4756
Email: Johnson_Meninick@yakama.com	**Email:** Noah_Oliver@yakama.com

Tribe: Confederated Tribes and Bands of the Yakama Nation	**Tribe:** Confederated Tribes and Bands of the Yakama Nation
Name: Jessica Lally	**Name:** Corrine Camuso
Title: Archaeologist (alternate contact)	**Title:** Archaeologist
Phone: 509-865-5121 ext. 4766	**Phone:** 509-865-5121 ext. 4776
Email: Jessica_Lally@yakama.com	**Email:** Corrine_Camuso@yakama.com
Tribe: Confederated Tribes and Bands of the Yakama Nation	**Tribe:** Confederated Tribes and Bands of the Yakama Nation

Further Activities

- Archaeological discoveries will be documented as described in Section 6.
- Construction in the discovery area may resume as described in Section 7.

5. SPECIAL PROCEDURES FOR THE DISCOVERY OF HUMAN SKELETAL MATERIAL

Any human skeletal remains, regardless of antiquity or ethnic origin, will at all times be treated with dignity and respect. Do not take photographs by any means, unless you are pre-approved to do so.
If the project occurs on federal lands or receives federal funding (e.g., national forest or park, military reservation) the provisions of the Native American Graves Protection and Repatriation Act of 1990 apply, and the responsible federal agency will follow its provisions. Note that state highways that cross federal lands are on an easement and are not owned by the state.

If the project occurs on non-federal lands, the Project Manager will comply with applicable state and federal laws, and the following procedure:

A. **In all cases you must notify a law enforcement agency or Medical Examiner/Coroner's Office**:

In addition to the actions described in Sections 3 and 4, the Project Manager will immediately notify the local law enforcement agency or medical examiner/coroner's office.

The Medical Examiner/Coroner (with assistance of law enforcement personnel) will determine if the remains are human, whether the discovery site constitutes a crime scene, and will then notify DAHP.

Enter contact information below:

Yakima County non-emergency police - (509) 575-6200

Jim Curtice
Yakima County Coroner
128 N 2nd Street
Yakima, WA 98902

Phone: 509-574-1610

B. **Participate in Consultation**:

Per RCW 27.44.055, RCW 68.50, and RCW 68.60, DAHP will have jurisdiction over non-forensic human remains. Ecology staff will participate in consultation.

Further Activities:

- Documentation of human skeletal remains and funerary objects will be agreed upon through the consultation process described in RCW 27.44.055, RCW 68.50, and RCW 68.60.
- When consultation and documentation activities are complete, construction in the discovery area may resume as described in Section 7.

6. DOCUMENTATION OF ARCHAEOLOGICAL MATERIALS

Archaeological deposits discovered during construction will be assumed eligible for inclusion in the National Register of Historic Places under Criterion D until a formal Determination of Eligibility is made.

Project staff will ensure the proper documentation and field assessment will be made of any discovered cultural resources in cooperation with all parties: the federal agencies (if any), DAHP, Ecology, affected tribes, and a contracted consultant (if any).

All prehistoric and historic cultural material discovered during project construction will be recorded by a professional archaeologist on a cultural resource site or isolate form using standard and approved techniques. Site overviews, features, and artifacts will be photographed; stratigraphic profiles and soil/sediment descriptions will be prepared for minimal subsurface exposures. Discovery locations will be documented on scaled site plans and site location maps.

Cultural features, horizons and artifacts detected in buried sediments may require further evaluation using hand-dug test units. Units may be dug in controlled fashion to expose features, collect samples from undisturbed contexts, or to interpret complex stratigraphy. A test excavation unit or small trench might also be used to determine if an intact occupation surface is present. Test units will be used only when necessary to gather information on the nature, extent, and integrity of subsurface cultural deposits to evaluate the site's significance. Excavations will be conducted using state-of-the-art techniques for controlling provenience, and the chronology of ownership, custody and location recorded with precision.

Spatial information, depth of excavation levels, natural and cultural stratigraphy, presence or absence of cultural material, and depth to sterile soil, regolith, or bedrock will be recorded for each probe on a standard form. Test excavation units will be recorded on unit-level forms, which include plan maps for each excavated level, and material type, number, and vertical provenience (depth below surface and stratum association where applicable) for all artifacts recovered from the level. A stratigraphic profile will be drawn

for at least one wall of each test excavation unit.

Sediments excavated for purposes of cultural resources investigation will be screened through 1/8-inch mesh, unless soil conditions warrant ¼-inch mesh.

All prehistoric and historic artifacts collected from the surface and from probes and excavation units will be analyzed, catalogued, and temporarily curated. Ultimate disposition of cultural materials will be determined in consultation with the federal agencies (if any), DAHP, Ecology and the affected tribes.

Within 90 days of concluding fieldwork, a technical report describing any and all monitoring and resultant archaeological excavations will be provided to the Project Manager, who will forward the report for review and delivery to Ecology, the federal agencies (if any), DAHP, and the affected tribe(s).

If assessment activity exposes human remains (burials, isolated teeth, or bones), the process described in Section 5 will be followed.

7. PROCEEDING WITH WORK

Work outside the discovery location may continue while documentation and assessment of the cultural resources proceed. A professional archaeologist must determine the boundaries of the discovery location. In consultation with Ecology, DAHP and any affected tribes, the Project Manager will determine the appropriate level of documentation and treatment of the resource. If there is a federal nexus, Section 106 consultation and associated federal laws will make the final determinations about treatment and documentation.

Work may continue at the discovery location only after the process outlined in this plan is followed and the Project Manager, DAHP, any affected tribes, Ecology (and the federal agencies, if any) determine that compliance with state and federal law is complete.

8. RECIPIENT/PROJECT PARTNER RESPONSIBILITY

The Project Recipient/Project Partner is responsible for developing an IDP. The IDP must be immediately available onsite, be implemented to address any discovery, and be available by request by any party. The Project Manager and staff will review the IDP during a project kickoff or pre-construction meeting.

We recommend that you print images in color for accuracy.

Implement the IDP / UDP if …

You see chipped stone artifacts.

- Glass-like material
- Angular
- “Unusual” material for area
- “Unusual” shape
- Regularity of flaking
- Variability of size

Implement the IDP / UDP if …

You see ground or pecked stone artifacts.

- Striations or scratching
- Unusual or unnatural shapes
- Unusual stone
- Etching
- Perforations
- Pecking
- Regularity in modifications
- Variability of size, function, and complexity

Implement the IDP / UDP if …

You see bone or shell artifacts.

- Often smooth
- Unusual shape
- Carved
- Often pointed if used as a tool
- Often wedge shaped like a "shoehorn"

Bone Awls from Oregon and Bone Wedge from California

Implement the IDP / UDP if …

You see bone or shell artifacts.

- Often smooth
- Unusual shape
- Perforated
- Variability of size

Implement the IDP / UDP if …

You see fiber or wood artifacts.

- Wet environments needed for preservation
- Variability of size, function, and complexity
- Rare

Artifacts from Mud Bay, Olympia, Washington

Implement the IDP / UDP if …

You see historic period artifacts.

Artifacts from Downtown Seattle, Alaskan Way Viaduct (Upper Left and Lower) and Unknown Site (Upper Right)

Implement the IDP / UDP if …

You see strange, different or interesting looking dirt, rocks, or

- Human activities leave traces in the ground that may or may not have artifacts associated with them
- “Unusual” accumulations of rock (especially fire-cracked rock)
- “Unusual” shaped accumulations of rock (e.g., similar to a fire ring)
- Charcoal or charcoal-stained soils
- Oxidized or burnt-looking soils
- Accumulations of shell
- Accumulations of bones or artifacts
- Look for the “unusual” or out of place (e.g., rock piles or accumulations in areas with few rock)

Implement the IDP / UDP if …

You see strange, different or interesting looking dirt, rocks, or

- “Unusual” accumulations of rock (especially fire-cracked rock)
- “Unusual” shaped accumulations of rock (e.g., similar to a fire ring)
- Look for the “unusual” or out of place (e.g., rock piles or accumulations in areas with few rock)

Site on Muckleshoot Indian Reservation, near WSDOT ROW along SR 164

Implement the IDP / UDP if …

You see strange, different or interesting looking dirt, rocks, or

- Often have a layered or “layer cake” appearance
- Often associated with black or blackish soil
- Often have very crushed and compacted shells

Implement the IDP / UDP if …

You see historic foundations or buried structures.

APPENDIX D

PHOTOGRAPH LOG

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel Site
Project Number: 0346.11.02
Location: 400 S Sixth Street, Sunnyside, Washington

Photo No. 1.

Description
Looking south across the former underground storage tank (UST) excavation. Approximate location of boring GP01 indicated by arrow.

Photo No. 2.

Description
Drilling at boring GP02, looking east.

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel Site
Project Number: 0346.11.02
Location: 400 S Sixth Street, Sunnyside, Washington

Photo No. 3.

Description
Sampling at boring location GP03 located in the UST excavation, looking east.

Photo No. 4.

Description
View of drilling at boring GP04 south of the former UST excavation, looking southeast.

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel Site
Project Number: 0346.11.02
Location: 400 S Sixth Street, Sunnyside, Washington

Photo No. 5.

Description
Boring location GP05 located along the southern property boundary, looking southeast.

Photo No. 6.

Description
Drilling at location GP06, looking west.

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel Site
Project Number: 0346.11.02
Location: 400 S Sixth Street, Sunnyside, Washington

Photo No. 7.

Description
Boring location GP07 located in the northwest corner of the Property, looking south.

Photo No. 8.

Description
View of drilling at boring location GP08, looking northeast.

APPENDIX E

FIELD SAMPLING DATA SHEETS

Maul Foster & Alongi, Inc.

109 East 13th Street, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-

Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP01				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP01-S-5.5				
Sub Area		**Sample Depth**	5.5				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	0.0	12:50:00 PM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, firm; 10% sand, fine; no odor; no sheen; moist.

General Sampling Comments Grab sample collected from 5.0 to 6.0 feet below ground surface.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

Maul Foster & Alongi, Inc.

109 East 13th Street, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-

Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP02				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP02-S-8				
Sub Area		**Sample Depth**	8				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	0.1	09:15:00 AM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, firm; 10% sand, fine; no odor; no sheen; moist.

General Sampling Comments Grab sample collected from 7.5 to 8.5 feet below ground surface.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

Maul Foster & Alongi, Inc.

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Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP03				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP03-S-6				
Sub Area		**Sample Depth**	6				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	53.8	11:15:00 AM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, soft; 10% sand, fine; petroleum-like odor; moderate sheen; moist.

General Sampling Comments Grab sample collected from 5.5 to 6.5 feet below ground surface.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

Maul Foster & Alongi, Inc.

109 East 13th Street, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-

Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP04				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP04-S-8				
Sub Area		**Sample Depth**	8				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	0.0	08:25:00 AM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, firm; 10% sand, fine; no odor; no sheen; moist.

General Sampling Comments Grab sample collected from 7.5 to 8.5 feet below ground surface.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

Maul Foster & Alongi, Inc.

109 East 13th Street, Vancouver, WA 98660 (360) 694-2691 Fax. (360) 906-

Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP05				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP05-S-6				
Sub Area		**Sample Depth**	6				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	0.0	11:30:00 AM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, soft; 10% sand, fine; no odor; no sheen; moist.

General Sampling Comments Grab sample collected from 5.5 to 6.5 feet below ground surface.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP06				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP06-S-7.5				
Sub Area		**Sample Depth**	7.5				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	0.2	03:35:00 PM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, firm; 10% sand, fine; no odor; no sheen; moist.

General Sampling Comments Grab sample collected from 7.0 to 8.0 feet below ground surface.
Field duplicate sample GP06-S-7.5-DUP also collected.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP07				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP07-S-6				
Sub Area		**Sample Depth**	6				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	0.7	02:10:00 PM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, firm; 10% sand, fine; no odor; no sheen; moist.

General Sampling Comments Grab sample collected from 5.5 to 6.5 feet below ground surface.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

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Soil Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP08				
Project Number	0346.11.02	**Sampler**	D. Domenighini				
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021				
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP08-S-6				
Sub Area		**Sample Depth**	6				
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**		**TOC**	

Sample Information

Sampling Method	Sample Type	Sample Category	PID/FID	Sampling Time	Container Code	#
(7) Grab	Soil	Discrete	0.1	10:10:00 AM	2 oz. soil	
					4 oz. soil	
					8 oz. soil	1
					Other	2
					Total Containers	3

Sample Description: SILT (ML); brown; 90% fines, low plasticity, firm; 10% sand, fine; no odor; no sheen; moist.

General Sampling Comments Grab sample collected from 5.5 to 6.5 feet below ground surface.

Sampling Method Code:

(1) Backhoe, (2) Hand Auger, (3) Drill Bit Cutting Head, (4) Geoprobe, (5) Split Spoon, (6) Shelby Tube, (7) Grab, (8) Other (Specify)

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP01
Project #	0346.11.02	**Sampler**	D. Domenighini
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP01-GW-15
Sub Area		**Sample Depth**	15
FSDS QA:	C. Busch; 4/27/2021	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/6/2021	12:45	20		9.7		10.3	1.68

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	01:08:00 PM			8.00	15.9	1,435			Very turbid

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Very turbid; no sheen; no odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	01:10:00 PM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 12:58.
Reconnaissance groundwater sample. Field duplicate GP01-GW-15-DUP collected. Screen set from 10.0 to 20.0 feet below ground surface.
Turbidity was out of range on meter.

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP02
Project #	0346.11.02	**Sampler**	D. Domenighini
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP02-GW-15
Sub Area		**Sample Depth**	15
FSDS QA:	C. Busch; 4/27/2021	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/7/2021	09:30	20		10.1		9.9	1.61

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	09:48:00 AM			8.42	15.6	942.5			52.1 NTU

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Slightly cloudy; no odor; no sheen.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	09:50:00 AM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 09:35.
Reconnaissance groundwater sample. Screen set from 10.0 to 20.0 feet below ground surface.

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP03
Project #	0346.11.02	**Sampler**	D. Domenighini
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP03-GW-15
Sub Area		**Sample Depth**	15
FSDS QA:	C. Busch; 4/27/2021	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/7/2021	11:30	20		10.0		10.0	1.63

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	11:48:00 AM			8.29	15.7	788.1			71 NTU

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Slightly cloudy; slight sheen; slight petroleum-like odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	11:50:00 AM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 11:35.
Reconnaissance groundwater sample. Screen set from 10.0 to 20.0 feet below ground surface.

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP04		
Project #	0346.11.02	**Sampler**	D. Domenighini		
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021		
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP04-GW-15		
Sub Area		**Sample Depth**	15		
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/7/2021	08:40	20		9.9		10.1	1.65

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	08:57:00 AM			8.45	15.6	690.1			49 NTU

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear; no sheen; no odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	09:00:00 AM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 08:42.
Reconnaissance groundwater sample. Screen set from 10.0 to 20.0 feet below ground surface.

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP05		
Project #	0346.11.02	**Sampler**	D. Domenighini		
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021		
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP05-GW-12		
Sub Area		**Sample Depth**	12		
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/6/2021	11:45	15		9.4		5.6	0.91

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	12:02:00 PM			8.11	16.2	1,376			30.8 NTU

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Clear; no sheen; no odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	12:05:00 PM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 11:50.
Reconnaissance groundwater sample. Screen set from 5.0 to 15.0 feet below ground surface.
Location very slow to recharge from tight silt at this depth.

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP06		
Project #	0346.11.02	**Sampler**	D. Domenighini		
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021		
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP06-GW-15		
Sub Area		**Sample Depth**	15		
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/6/2021	15:54	20		10.4		9.6	1.56

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	04:13:00 PM			8.23	17.0	1,060			66.3 NTU

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Slightly cloudy; no sheen; no odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	04:15:00 PM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 16:00.
Reconnaissance groundwater sample. Screen set from 10.0 to 20.0 feet below ground surface.

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP07
Project #	0346.11.02	**Sampler**	D. Domenighini
Project Name	Former Planter's Hotel	**Sampling Date**	4/6/2021
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP07-GW-15
Sub Area		**Sample Depth**	15
FSDS QA:	C. Busch; 4/27/2021	**Easting**	**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/6/2021	14:35	20		10.4		9.6	1.56

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	02:55:00 PM			8.44	16.0	721.3			Very turbid

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Very turbid; no sheen; no odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	03:00:00 PM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 14:40.
Reconnaissance groundwater sample. Screen set from 10.0 to 20.0 feet below ground surface.
Turbidity was out of range on meter.

Maul Foster & Alongi, Inc.

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Water Field Sampling Data Sheet

Client Name	Port of Sunnyside	**Sample Location**	GP08		
Project #	0346.11.02	**Sampler**	D. Domenighini		
Project Name	Former Planter's Hotel	**Sampling Date**	4/7/2021		
Sampling Event	April 2021 - Site Investigation	**Sample Name**	GP08-GW-15		
Sub Area		**Sample Depth**	15		
FSDS QA:	C. Busch; 4/27/2021	**Easting**		**Northing**	**TOC**

Hydrology/Level Measurements

					(Product Thickness)	(Water Column)	(Gallons/ft x Water Column)
Date	**Time**	**DT-Bottom**	**DT-Product**	**DT-Water**	**DTP-DTW**	**DTB-DTW**	**Pore Volume**
4/7/2021	10:25	20		10.1		9.9	1.61

(0.75" = 0.023 gal/ft) (1" = 0.041 gal/ft) (1.5" = 0.092 gal/ft) (2" = 0.163 gal/ft) (3" = 0.367 gal/ft) (4" = 0.653 gal/ft) (6" = 1.469 gal/ft) (8" = 2.611 gal/ft)

Water Quality Data

Purge Method	Time	Purge Vol (gal)	Flowrate l/min	pH	Temp (C)	E Cond (uS/cm)	DO (mg/L)	ORP	Turbidity
(2) Peristaltic Pump									
Final Field Parameters	10:43:00 AM			8.34	15.5	711			Very turbid

Methods: (1) Submersible Pump (2) Peristaltic Pump (3) Disposable Bailer (4) Vacuum Pump (5) Dedicated Bailer (6) Inertia Pump (7) Other (specify)

Water Quality Observations:

Very turbid; no sheen; no odor.

Sample Information

Sampling Method	Sample Type	Sampling Time	Container Code/Preservative	#	Filtered
(2) Peristaltic Pump	Groundwater	10:45:00 AM	VOA-Glass	5	No
			Amber Glass	4	No
			White Poly		
			Yellow Poly		
			Green Poly		
			Red Total Poly		
			Red Dissolved Poly		
			Total Bottles	9	

General Sampling Comments

Began purging at 10:28.
Reconnaissance groundwater sample. Screen set from 10.0 to 20.0 feet below ground surface.
Turbidity was out of range on meter.

APPENDIX F

LABORATORY ANALYTICAL REPORTS

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Thursday, April 22, 2021

David Weatherby
Maul Foster & Alongi, INC.
3140 NE Broadway Street
Portland, OR 97232

RE: A1D0263 - Former Planter's Hotel Site - 0346.11.02

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A1D0263, which was received by the laboratory on 4/7/2021 at 5:40:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	2.3 degC	Cooler #2	0.5 degC
Cooler #3	1.3 degC	Cooler #4	3.6 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP01-S-5.5	A1D0263-01	Soil	04/06/21 12:50	04/07/21 17:40
GP02-S-8	A1D0263-02	Soil	04/07/21 09:15	04/07/21 17:40
GP03-S-6	A1D0263-03	Soil	04/07/21 11:15	04/07/21 17:40
GP04-S-8	A1D0263-04	Soil	04/07/21 08:25	04/07/21 17:40
GP05-S-6	A1D0263-05	Soil	04/06/21 11:30	04/07/21 17:40
GP06-S-7.5	A1D0263-06	Soil	04/06/21 15:35	04/07/21 17:40
GP06-S-7.5-DUP	A1D0263-07	Soil	04/06/21 15:35	04/07/21 17:40
GP07-S-6	A1D0263-08	Soil	04/06/21 14:10	04/07/21 17:40
GP08-S-6	A1D0263-09	Soil	04/07/21 10:10	04/07/21 17:40
GP01-GW-15	A1D0263-10	Water	04/06/21 13:10	04/07/21 17:40
GP01-GW-15-DUP	A1D0263-11	Water	04/06/21 13:10	04/07/21 17:40
GP02-GW-15	A1D0263-12	Water	04/07/21 09:50	04/07/21 17:40
GP03-GW-15	A1D0263-13	Water	04/07/21 11:50	04/07/21 17:40
GP04-GW-15	A1D0263-14	Water	04/07/21 09:00	04/07/21 17:40
GP05-GW-12	A1D0263-15	Water	04/06/21 12:05	04/07/21 17:40
GP06-GW-15	A1D0263-16	Water	04/06/21 16:15	04/07/21 17:40
GP07-GW-15	A1D0263-17	Water	04/06/21 15:00	04/07/21 17:40
GP08-GW-15	A1D0263-18	Water	04/07/21 10:45	04/07/21 17:40
040721TB	A1D0263-19	Water	04/07/21 00:00	04/07/21 17:40

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01)				**Matrix: Soil**		**Batch: 1040332**		
Diesel	ND	11.8	25.0	mg/kg dry	1	04/10/21 03:59	NWTPH-Dx	
Oil	**29.9**	23.7	50.0	mg/kg dry	1	04/10/21 03:59	NWTPH-Dx	**J**
Surrogate: o-Terphenyl (Surr)		*Recovery: 88 %*		*Limits: 50-150 %*	*1*	*04/10/21 03:59*	*NWTPH-Dx*	
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040332**		
Diesel	ND	12.3	25.0	mg/kg dry	1	04/10/21 04:20	NWTPH-Dx	
Oil	**119**	24.6	50.0	mg/kg dry	1	04/10/21 04:20	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 93 %*		*Limits: 50-150 %*	*1*	*04/10/21 04:20*	*NWTPH-Dx*	
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040332**		
Diesel	**17900**	1140	2280	mg/kg dry	100	04/09/21 23:12	NWTPH-Dx	**F-15**
Oil	**16000**	2280	4560	mg/kg dry	100	04/09/21 23:12	NWTPH-Dx	**F-16**
Surrogate: o-Terphenyl (Surr)		*Recovery: %*		*Limits: 50-150 %*	*100*	*04/09/21 23:12*	*NWTPH-Dx*	*S-01*
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040332**		
Diesel	ND	12.2	25.0	mg/kg dry	1	04/09/21 23:53	NWTPH-Dx	
Oil	ND	24.5	50.0	mg/kg dry	1	04/09/21 23:53	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*1*	*04/09/21 23:53*	*NWTPH-Dx*	
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040332**		
Diesel	ND	12.4	25.0	mg/kg dry	1	04/10/21 00:14	NWTPH-Dx	
Oil	ND	24.8	50.0	mg/kg dry	1	04/10/21 00:14	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 62 %*		*Limits: 50-150 %*	*1*	*04/10/21 00:14*	*NWTPH-Dx*	
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040449**		
Diesel	ND	11.3	25.0	mg/kg dry	1	04/14/21 00:30	NWTPH-Dx	
Oil	ND	22.6	50.0	mg/kg dry	1	04/14/21 00:30	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 89 %*		*Limits: 50-150 %*	*1*	*04/14/21 00:30*	*NWTPH-Dx*	
GP06-S-7.5-DUP (A1D0263-07RE1)				**Matrix: Soil**		**Batch: 1040449**		
Diesel	ND	11.4	25.0	mg/kg dry	1	04/14/21 08:57	NWTPH-Dx	
Oil	**34.2**	22.8	50.0	mg/kg dry	1	04/14/21 08:57	NWTPH-Dx	**J**
Surrogate: o-Terphenyl (Surr)		*Recovery: 83 %*		*Limits: 50-150 %*	*1*	*04/14/21 08:57*	*NWTPH-Dx*	

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040449**		
Diesel	ND	12.5	25.1	mg/kg dry	1	04/14/21 01:31	NWTPH-Dx	
Oil	ND	25.1	50.1	mg/kg dry	1	04/14/21 01:31	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 70 %*		*Limits: 50-150 %*	*1*	*04/14/21 01:31*	*NWTPH-Dx*	
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040449**		
Diesel	ND	12.3	25.0	mg/kg dry	1	04/14/21 01:52	NWTPH-Dx	
Oil	ND	24.6	50.0	mg/kg dry	1	04/14/21 01:52	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 87 %*		*Limits: 50-150 %*	*1*	*04/14/21 01:52*	*NWTPH-Dx*	
GP01-GW-15 (A1D0263-10)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0408	0.0816	mg/L	1	04/09/21 01:22	NWTPH-Dx LL	
Oil	**0.232**	0.0816	0.163	mg/L	1	04/09/21 01:22	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 74 %*		*Limits: 50-150 %*	*1*	*04/09/21 01:22*	*NWTPH-Dx LL*	
GP01-GW-15-DUP (A1D0263-11)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0412	0.0825	mg/L	1	04/09/21 01:42	NWTPH-Dx LL	
Oil	**0.235**	0.0825	0.165	mg/L	1	04/09/21 01:42	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 71 %*		*Limits: 50-150 %*	*1*	*04/09/21 01:42*	*NWTPH-Dx LL*	
GP02-GW-15 (A1D0263-12)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0392	0.0784	mg/L	1	04/09/21 02:02	NWTPH-Dx LL	
Oil	**0.0786**	0.0784	0.157	mg/L	1	04/09/21 02:02	NWTPH-Dx LL	**J**
Surrogate: o-Terphenyl (Surr)		*Recovery: 84 %*		*Limits: 50-150 %*	*1*	*04/09/21 02:02*	*NWTPH-Dx LL*	
GP03-GW-15 (A1D0263-13)				**Matrix: Water**		**Batch: 1040261**		
Diesel	**1.66**	0.0388	0.0777	mg/L	1	04/09/21 02:22	NWTPH-Dx LL	**F-13**
Oil	**0.935**	0.0777	0.155	mg/L	1	04/09/21 02:22	NWTPH-Dx LL	**F-16**
Surrogate: o-Terphenyl (Surr)		*Recovery: 64 %*		*Limits: 50-150 %*	*1*	*04/09/21 02:22*	*NWTPH-Dx LL*	
GP04-GW-15 (A1D0263-14)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0417	0.0833	mg/L	1	04/09/21 02:43	NWTPH-Dx LL	
Oil	ND	0.0833	0.167	mg/L	1	04/09/21 02:43	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 80 %*		*Limits: 50-150 %*	*1*	*04/09/21 02:43*	*NWTPH-Dx LL*	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0449	0.0899	mg/L	1	04/09/21 03:03	NWTPH-Dx LL	
Oil	ND	0.0899	0.180	mg/L	1	04/09/21 03:03	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 94 %*		*Limits: 50-150 %*	*1*	*04/09/21 03:03*	*NWTPH-Dx LL*	
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0396	0.0792	mg/L	1	04/09/21 03:23	NWTPH-Dx LL	
Oil	ND	0.0792	0.158	mg/L	1	04/09/21 03:23	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 85 %*		*Limits: 50-150 %*	*1*	*04/09/21 03:23*	*NWTPH-Dx LL*	
GP07-GW-15 (A1D0263-17)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0435	0.0870	mg/L	1	04/09/21 03:43	NWTPH-Dx LL	
Oil	ND	0.0870	0.174	mg/L	1	04/09/21 03:43	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 88 %*		*Limits: 50-150 %*	*1*	*04/09/21 03:43*	*NWTPH-Dx LL*	
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040261**		
Diesel	ND	0.0412	0.0825	mg/L	1	04/09/21 04:03	NWTPH-Dx LL	
Oil	ND	0.0825	0.165	mg/L	1	04/09/21 04:03	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		*Recovery: 84 %*		*Limits: 50-150 %*	*1*	*04/09/21 04:03*	*NWTPH-Dx LL*	

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01)				**Matrix: Soil**		**Batch: 1040368**		
Gasoline Range Organics	ND	3.50	7.00	mg/kg dry	50	04/12/21 12:24	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*04/12/21 12:24*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*91 %*	*50-150 %*	*1*	*04/12/21 12:24*	*NWTPH-Gx (MS)*	
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040368**		
Gasoline Range Organics	ND	3.33	6.65	mg/kg dry	50	04/12/21 13:18	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*04/12/21 13:18*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*92 %*	*50-150 %*	*1*	*04/12/21 13:18*	*NWTPH-Gx (MS)*	
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040426**		
Gasoline Range Organics	**3130**	40.1	80.2	mg/kg dry	500	04/13/21 16:54	NWTPH-Gx (MS)	**F-09**
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 116 %*	*Limits: 50-150 %*		*1*	*04/13/21 16:54*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*98 %*	*50-150 %*	*1*	*04/13/21 16:54*	*NWTPH-Gx (MS)*	
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040368**		
Gasoline Range Organics	ND	4.06	8.11	mg/kg dry	50	04/12/21 16:00	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 103 %*	*Limits: 50-150 %*		*1*	*04/12/21 16:00*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*94 %*	*50-150 %*	*1*	*04/12/21 16:00*	*NWTPH-Gx (MS)*	
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040368**		
Gasoline Range Organics	ND	3.14	6.29	mg/kg dry	50	04/12/21 16:27	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 104 %*	*Limits: 50-150 %*		*1*	*04/12/21 16:27*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*94 %*	*50-150 %*	*1*	*04/12/21 16:27*	*NWTPH-Gx (MS)*	
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040368**		
Gasoline Range Organics	ND	2.83	5.66	mg/kg dry	50	04/12/21 16:54	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 102 %*	*Limits: 50-150 %*		*1*	*04/12/21 16:54*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*94 %*	*50-150 %*	*1*	*04/12/21 16:54*	*NWTPH-Gx (MS)*	
GP06-S-7.5-DUP (A1D0263-07)				**Matrix: Soil**		**Batch: 1040368**		
Gasoline Range Organics	ND	3.94	7.87	mg/kg dry	50	04/12/21 17:20	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 102 %*	*Limits: 50-150 %*		*1*	*04/12/21 17:20*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*95 %*	*50-150 %*	*1*	*04/12/21 17:20*	*NWTPH-Gx (MS)*	
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040368**		

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040368**		
Gasoline Range Organics	ND	4.26	8.52	mg/kg dry	50	04/12/21 18:41	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 104 %*	*Limits: 50-150 %*		*1*	*04/12/21 18:41*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*94 %*	*50-150 %*		*1*	*04/12/21 18:41*	*NWTPH-Gx (MS)*	
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040426**		
Gasoline Range Organics	ND	3.41	6.83	mg/kg dry	50	04/13/21 16:27	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 105 %*	*Limits: 50-150 %*		*1*	*04/13/21 16:27*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*95 %*	*50-150 %*		*1*	*04/13/21 16:27*	*NWTPH-Gx (MS)*	
GP01-GW-15 (A1D0263-10)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 13:08	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 102 %*	*Limits: 50-150 %*		*1*	*04/12/21 13:08*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*105 %*	*50-150 %*		*1*	*04/12/21 13:08*	*NWTPH-Gx (MS)*	
GP01-GW-15-DUP (A1D0263-11)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 15:23	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 104 %*	*Limits: 50-150 %*		*1*	*04/12/21 15:23*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*106 %*	*50-150 %*		*1*	*04/12/21 15:23*	*NWTPH-Gx (MS)*	
GP02-GW-15 (A1D0263-12)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 15:50	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 101 %*	*Limits: 50-150 %*		*1*	*04/12/21 15:50*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*106 %*	*50-150 %*		*1*	*04/12/21 15:50*	*NWTPH-Gx (MS)*	
GP03-GW-15 (A1D0263-13)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	**0.388**	0.0500	0.100	mg/L	1	04/12/21 14:02	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 113 %*	*Limits: 50-150 %*		*1*	*04/12/21 14:02*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*104 %*	*50-150 %*		*1*	*04/12/21 14:02*	*NWTPH-Gx (MS)*	
GP04-GW-15 (A1D0263-14)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 16:17	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery: 102 %*	*Limits: 50-150 %*		*1*	*04/12/21 16:17*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)		*106 %*	*50-150 %*		*1*	*04/12/21 16:17*	*NWTPH-Gx (MS)*	
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040359**		

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 16:44	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits: 50-150 %*	*1*	*04/12/21 16:44*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*104 %*	*50-150 %*	*1*	*04/12/21 16:44*	*NWTPH-Gx (MS)*	
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 17:11	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*104 %*	*Limits: 50-150 %*	*1*	*04/12/21 17:11*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*104 %*	*50-150 %*	*1*	*04/12/21 17:11*	*NWTPH-Gx (MS)*	
GP07-GW-15 (A1D0263-17)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 17:38	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*101 %*	*Limits: 50-150 %*	*1*	*04/12/21 17:38*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*106 %*	*50-150 %*	*1*	*04/12/21 17:38*	*NWTPH-Gx (MS)*	
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040359**		
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	04/12/21 18:05	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*102 %*	*Limits: 50-150 %*	*1*	*04/12/21 18:05*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*106 %*	*50-150 %*	*1*	*04/12/21 18:05*	*NWTPH-Gx (MS)*	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01)				**Matrix: Soil**		**Batch: 1040368**		
Acetone	ND	700	1400	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Acrylonitrile	ND	70.0	140	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Benzene	ND	7.00	14.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Bromobenzene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Bromochloromethane	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Bromodichloromethane	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Bromoform	ND	70.0	140	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Bromomethane	ND	700	700	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
2-Butanone (MEK)	ND	350	700	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
n-Butylbenzene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
sec-Butylbenzene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
tert-Butylbenzene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Carbon disulfide	ND	350	700	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Carbon tetrachloride	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Chlorobenzene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Chloroethane	ND	350	700	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Chloroform	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Chloromethane	ND	175	350	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
2-Chlorotoluene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
4-Chlorotoluene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Dibromochloromethane	ND	70.0	140	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	175	350	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Dibromomethane	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,3-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,4-Dichlorobenzene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Dichlorodifluoromethane	ND	70.0	140	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,1-Dichloroethane	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,1-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
trans-1,2-Dichloroethene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2-Dichloropropane	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01)				**Matrix: Soil**		**Batch: 1040368**		
1,3-Dichloropropane	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
2,2-Dichloropropane	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,1-Dichloropropene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
cis-1,3-Dichloropropene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
trans-1,3-Dichloropropene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Ethylbenzene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Hexachlorobutadiene	ND	70.0	140	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
2-Hexanone	ND	350	700	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Isopropylbenzene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
4-Isopropyltoluene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Methylene chloride	ND	350	700	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	350	700	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Naphthalene	ND	70.0	140	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
n-Propylbenzene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Styrene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Toluene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2,3-Trichlorobenzene	ND	175	350	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2,4-Trichlorobenzene	ND	175	350	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,1,1-Trichloroethane	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,1,2-Trichloroethane	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Trichloroethene (TCE)	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Trichlorofluoromethane	ND	70.0	140	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2,3-Trichloropropane	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,2,4-Trimethylbenzene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
1,3,5-Trimethylbenzene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
m,p-Xylene	ND	35.0	70.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
o-Xylene	ND	17.5	35.0	ug/kg dry	50	04/12/21 12:24	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*04/12/21 12:24*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/12/21 12:24*	*5035A/8260D*	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01)				**Matrix: Soil**		**Batch: 1040368**		
Surrogate: 4-Bromofluorobenzene (Surr)		*Recovery: 101 %*	*Limits: 79-120 %*		*1*	*04/12/21 12:24*	*5035A/8260D*	
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040368**		
Acetone	ND	665	1330	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Acrylonitrile	ND	66.5	133	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Benzene	ND	6.65	13.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Bromobenzene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Bromochloromethane	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Bromodichloromethane	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Bromoform	ND	66.5	133	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Bromomethane	ND	665	665	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
2-Butanone (MEK)	ND	333	665	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
n-Butylbenzene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
sec-Butylbenzene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
tert-Butylbenzene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Carbon disulfide	ND	333	665	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Carbon tetrachloride	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Chlorobenzene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Chloroethane	ND	333	665	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Chloroform	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Chloromethane	ND	166	333	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
2-Chlorotoluene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
4-Chlorotoluene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Dibromochloromethane	ND	66.5	133	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	166	333	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Dibromomethane	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2-Dichlorobenzene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,3-Dichlorobenzene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,4-Dichlorobenzene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Dichlorodifluoromethane	ND	66.5	133	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,1-Dichloroethane	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,1-Dichloroethene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
cis-1,2-Dichloroethene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040368**		
trans-1,2-Dichloroethene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2-Dichloropropane	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,3-Dichloropropane	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
2,2-Dichloropropane	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,1-Dichloropropene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
cis-1,3-Dichloropropene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
trans-1,3-Dichloropropene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Ethylbenzene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Hexachlorobutadiene	ND	66.5	133	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
2-Hexanone	ND	333	665	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Isopropylbenzene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
4-Isopropyltoluene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Methylene chloride	ND	333	665	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	333	665	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Naphthalene	ND	66.5	133	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
n-Propylbenzene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Styrene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Tetrachloroethene (PCE)	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Toluene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2,3-Trichlorobenzene	ND	166	333	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2,4-Trichlorobenzene	ND	166	333	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,1,1-Trichloroethane	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,1,2-Trichloroethane	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Trichloroethene (TCE)	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
Trichlorofluoromethane	ND	66.5	133	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2,3-Trichloropropane	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,2,4-Trimethylbenzene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
1,3,5-Trimethylbenzene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
m,p-Xylene	ND	33.3	66.5	ug/kg dry	50	04/12/21 13:18	5035A/8260D	
o-Xylene	ND	16.6	33.3	ug/kg dry	50	04/12/21 13:18	5035A/8260D	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040368**		
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*04/12/21 13:18*	*5035A/8260D*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/12/21 13:18*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*104 %*	*79-120 %*	*1*	*04/12/21 13:18*	*5035A/8260D*	
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040426**		
Acetone	ND	8020	16000	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Acrylonitrile	ND	802	1600	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Benzene	**152**	80.2	160	ug/kg dry	500	04/13/21 16:54	5035A/8260D	**J**
Bromobenzene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Bromochloromethane	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Bromodichloromethane	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Bromoform	ND	802	1600	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Bromomethane	ND	8020	8020	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
2-Butanone (MEK)	ND	4010	8020	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
n-Butylbenzene	**4720**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	**M-02**
sec-Butylbenzene	**1290**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
tert-Butylbenzene	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Carbon disulfide	ND	4010	8020	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Carbon tetrachloride	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Chlorobenzene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Chloroethane	ND	4010	8020	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Chloroform	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Chloromethane	ND	2000	4010	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
2-Chlorotoluene	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
4-Chlorotoluene	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Dibromochloromethane	ND	802	1600	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	2000	4010	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Dibromomethane	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2-Dichlorobenzene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,3-Dichlorobenzene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,4-Dichlorobenzene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Dichlorodifluoromethane	ND	1600	1600	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,1-Dichloroethane	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040426**		
1,2-Dichloroethane (EDC)	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,1-Dichloroethene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
cis-1,2-Dichloroethene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
trans-1,2-Dichloroethene	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2-Dichloropropane	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,3-Dichloropropane	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
2,2-Dichloropropane	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,1-Dichloropropene	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
cis-1,3-Dichloropropene	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
trans-1,3-Dichloropropene	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Ethylbenzene	**2220**	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Hexachlorobutadiene	ND	802	1600	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
2-Hexanone	ND	4010	8020	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Isopropylbenzene	**734**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	**J**
4-Isopropyltoluene	**2920**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	**M-02**
Methylene chloride	ND	4010	8020	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	4010	8020	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
n-Propylbenzene	**2980**	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Styrene	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Tetrachloroethene (PCE)	**284**	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	**J**
Toluene	**969**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2,3-Trichlorobenzene	ND	2000	4010	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2,4-Trichlorobenzene	ND	2000	4010	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,1,1-Trichloroethane	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,1,2-Trichloroethane	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Trichloroethene (TCE)	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Trichlorofluoromethane	ND	802	1600	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2,3-Trichloropropane	ND	802	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,2,4-Trimethylbenzene	**45500**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
1,3,5-Trimethylbenzene	**12600**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	

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Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040426**		
Vinyl chloride	ND	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
m,p-Xylene	**11700**	401	802	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
o-Xylene	**5110**	200	401	ug/kg dry	500	04/13/21 16:54	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*04/13/21 16:54*	*5035A/8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*04/13/21 16:54*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*04/13/21 16:54*	*5035A/8260D*	
GP03-S-6 (A1D0263-03RE1)				**Matrix: Soil**		**Batch: 1040492**		
Naphthalene	**132000**	8020	16000	ug/kg dry	5000	04/14/21 15:57	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*04/14/21 15:57*	*5035A/8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*04/14/21 15:57*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*100 %*	*79-120 %*	*1*	*04/14/21 15:57*	*5035A/8260D*	
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040368**		
Acetone	ND	811	1620	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Acrylonitrile	ND	81.1	162	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Benzene	ND	8.11	16.2	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Bromobenzene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Bromochloromethane	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Bromodichloromethane	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Bromoform	ND	81.1	162	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Bromomethane	ND	811	811	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
2-Butanone (MEK)	ND	406	811	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
n-Butylbenzene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
sec-Butylbenzene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
tert-Butylbenzene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Carbon disulfide	ND	406	811	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Carbon tetrachloride	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Chlorobenzene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Chloroethane	ND	406	811	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Chloroform	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Chloromethane	ND	203	406	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
2-Chlorotoluene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
4-Chlorotoluene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040368**		
Dibromochloromethane	ND	81.1	162	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	203	406	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Dibromomethane	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,2-Dichlorobenzene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,3-Dichlorobenzene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,4-Dichlorobenzene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Dichlorodifluoromethane	ND	81.1	162	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,1-Dichloroethane	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,1-Dichloroethene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
cis-1,2-Dichloroethene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
trans-1,2-Dichloroethene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,2-Dichloropropane	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,3-Dichloropropane	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
2,2-Dichloropropane	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,1-Dichloropropene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
cis-1,3-Dichloropropene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
trans-1,3-Dichloropropene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Ethylbenzene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Hexachlorobutadiene	ND	81.1	162	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
2-Hexanone	ND	406	811	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Isopropylbenzene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
4-Isopropyltoluene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Methylene chloride	ND	406	811	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	406	811	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Naphthalene	ND	81.1	162	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
n-Propylbenzene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Styrene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Tetrachloroethene (PCE)	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Toluene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040368**		
1,2,3-Trichlorobenzene	ND	203	406	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,2,4-Trichlorobenzene	ND	203	406	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,1,1-Trichloroethane	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,1,2-Trichloroethane	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Trichloroethene (TCE)	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Trichlorofluoromethane	ND	81.1	162	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,2,3-Trichloropropane	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,2,4-Trimethylbenzene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
1,3,5-Trimethylbenzene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
m,p-Xylene	ND	40.6	81.1	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
o-Xylene	ND	20.3	40.6	ug/kg dry	50	04/12/21 16:00	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*04/12/21 16:00*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*04/12/21 16:00*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*04/12/21 16:00*	*5035A/8260D*	
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040368**		
Acetone	ND	629	1260	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Acrylonitrile	ND	62.9	126	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Benzene	ND	6.29	12.6	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Bromobenzene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Bromochloromethane	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Bromodichloromethane	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Bromoform	ND	62.9	126	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Bromomethane	ND	629	629	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
2-Butanone (MEK)	ND	314	629	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
n-Butylbenzene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
sec-Butylbenzene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
tert-Butylbenzene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Carbon disulfide	ND	314	629	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Carbon tetrachloride	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Chlorobenzene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Chloroethane	ND	314	629	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Chloroform	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Chloromethane	ND	157	314	ug/kg dry	50	04/12/21 16:27	5035A/8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040368**		
2-Chlorotoluene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
4-Chlorotoluene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Dibromochloromethane	ND	62.9	126	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	157	314	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Dibromomethane	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2-Dichlorobenzene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,3-Dichlorobenzene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,4-Dichlorobenzene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Dichlorodifluoromethane	ND	62.9	126	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,1-Dichloroethane	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,1-Dichloroethene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
cis-1,2-Dichloroethene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
trans-1,2-Dichloroethene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2-Dichloropropane	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,3-Dichloropropane	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
2,2-Dichloropropane	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,1-Dichloropropene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
cis-1,3-Dichloropropene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
trans-1,3-Dichloropropene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Ethylbenzene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Hexachlorobutadiene	ND	62.9	126	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
2-Hexanone	ND	314	629	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Isopropylbenzene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
4-Isopropyltoluene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Methylene chloride	ND	314	629	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	314	629	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Naphthalene	ND	62.9	126	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
n-Propylbenzene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Styrene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040368**		
Tetrachloroethene (PCE)	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Toluene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2,3-Trichlorobenzene	ND	157	314	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2,4-Trichlorobenzene	ND	157	314	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,1,1-Trichloroethane	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,1,2-Trichloroethane	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Trichloroethene (TCE)	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Trichlorofluoromethane	ND	62.9	126	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2,3-Trichloropropane	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,2,4-Trimethylbenzene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
1,3,5-Trimethylbenzene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
m,p-Xylene	ND	31.4	62.9	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
o-Xylene	ND	15.7	31.4	ug/kg dry	50	04/12/21 16:27	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*04/12/21 16:27*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*04/12/21 16:27*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*04/12/21 16:27*	*5035A/8260D*	
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040368**		
Acetone	ND	566	1130	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Acrylonitrile	ND	56.6	113	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Benzene	ND	5.66	11.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Bromobenzene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Bromochloromethane	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Bromodichloromethane	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Bromoform	ND	56.6	113	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Bromomethane	ND	566	566	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
2-Butanone (MEK)	ND	283	566	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
n-Butylbenzene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
sec-Butylbenzene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
tert-Butylbenzene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Carbon disulfide	ND	283	566	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Carbon tetrachloride	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Chlorobenzene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Chloroethane	ND	283	566	ug/kg dry	50	04/12/21 16:54	5035A/8260D	

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040368**		
Chloroform	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Chloromethane	ND	142	283	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
2-Chlorotoluene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
4-Chlorotoluene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Dibromochloromethane	ND	56.6	113	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	142	283	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Dibromomethane	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2-Dichlorobenzene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,3-Dichlorobenzene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,4-Dichlorobenzene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Dichlorodifluoromethane	ND	56.6	113	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,1-Dichloroethane	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,1-Dichloroethene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
cis-1,2-Dichloroethene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
trans-1,2-Dichloroethene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2-Dichloropropane	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,3-Dichloropropane	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
2,2-Dichloropropane	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,1-Dichloropropene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
cis-1,3-Dichloropropene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
trans-1,3-Dichloropropene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Ethylbenzene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Hexachlorobutadiene	ND	56.6	113	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
2-Hexanone	ND	283	566	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Isopropylbenzene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
4-Isopropyltoluene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Methylene chloride	ND	283	566	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	283	566	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Naphthalene	ND	56.6	113	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
n-Propylbenzene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Styrene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040368**		
1,1,1,2-Tetrachloroethane	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Tetrachloroethene (PCE)	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Toluene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2,3-Trichlorobenzene	ND	142	283	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2,4-Trichlorobenzene	ND	142	283	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,1,1-Trichloroethane	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,1,2-Trichloroethane	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Trichloroethene (TCE)	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Trichlorofluoromethane	ND	56.6	113	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2,3-Trichloropropane	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,2,4-Trimethylbenzene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
1,3,5-Trimethylbenzene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
m,p-Xylene	ND	28.3	56.6	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
o-Xylene	ND	14.2	28.3	ug/kg dry	50	04/12/21 16:54	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*04/12/21 16:54*	*5035A/8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*04/12/21 16:54*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*79-120 %*	*1*	*04/12/21 16:54*	*5035A/8260D*	
GP06-S-7.5-DUP (A1D0263-07)				**Matrix: Soil**		**Batch: 1040368**		
Acetone	ND	787	1570	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Acrylonitrile	ND	78.7	157	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Benzene	ND	7.87	15.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Bromobenzene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Bromochloromethane	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Bromodichloromethane	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Bromoform	ND	78.7	157	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Bromomethane	ND	787	787	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
2-Butanone (MEK)	ND	394	787	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
n-Butylbenzene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
sec-Butylbenzene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
tert-Butylbenzene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Carbon disulfide	ND	394	787	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Carbon tetrachloride	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-S-7.5-DUP (A1D0263-07)				**Matrix: Soil**		**Batch: 1040368**		
Chlorobenzene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Chloroethane	ND	394	787	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Chloroform	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Chloromethane	ND	197	394	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
2-Chlorotoluene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
4-Chlorotoluene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Dibromochloromethane	ND	78.7	157	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	197	394	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Dibromomethane	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2-Dichlorobenzene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,3-Dichlorobenzene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,4-Dichlorobenzene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Dichlorodifluoromethane	ND	78.7	157	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,1-Dichloroethane	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,1-Dichloroethene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
cis-1,2-Dichloroethene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
trans-1,2-Dichloroethene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2-Dichloropropane	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,3-Dichloropropane	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
2,2-Dichloropropane	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,1-Dichloropropene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
cis-1,3-Dichloropropene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
trans-1,3-Dichloropropene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Ethylbenzene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Hexachlorobutadiene	ND	78.7	157	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
2-Hexanone	ND	394	787	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Isopropylbenzene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
4-Isopropyltoluene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Methylene chloride	ND	394	787	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	394	787	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Naphthalene	ND	78.7	157	ug/kg dry	50	04/12/21 17:20	5035A/8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-S-7.5-DUP (A1D0263-07)				**Matrix: Soil**		**Batch: 1040368**		
n-Propylbenzene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Styrene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Tetrachloroethene (PCE)	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Toluene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2,3-Trichlorobenzene	ND	197	394	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2,4-Trichlorobenzene	ND	197	394	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,1,1-Trichloroethane	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,1,2-Trichloroethane	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Trichloroethene (TCE)	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Trichlorofluoromethane	ND	78.7	157	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2,3-Trichloropropane	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,2,4-Trimethylbenzene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
1,3,5-Trimethylbenzene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
m,p-Xylene	ND	39.4	78.7	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
o-Xylene	ND	19.7	39.4	ug/kg dry	50	04/12/21 17:20	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*04/12/21 17:20*	*5035A/8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*04/12/21 17:20*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*04/12/21 17:20*	*5035A/8260D*	
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040368**		
Acetone	ND	852	1700	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Acrylonitrile	ND	85.2	170	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Benzene	ND	8.52	17.0	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Bromobenzene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Bromochloromethane	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Bromodichloromethane	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Bromoform	ND	85.2	170	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Bromomethane	ND	852	852	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
2-Butanone (MEK)	ND	426	852	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
n-Butylbenzene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
sec-Butylbenzene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
tert-Butylbenzene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	

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Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040368**		
Carbon disulfide	ND	426	852	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Carbon tetrachloride	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Chlorobenzene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Chloroethane	ND	426	852	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Chloroform	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Chloromethane	ND	213	426	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
2-Chlorotoluene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
4-Chlorotoluene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Dibromochloromethane	ND	85.2	170	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	213	426	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Dibromomethane	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2-Dichlorobenzene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,3-Dichlorobenzene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,4-Dichlorobenzene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Dichlorodifluoromethane	ND	85.2	170	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,1-Dichloroethane	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,1-Dichloroethene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
cis-1,2-Dichloroethene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
trans-1,2-Dichloroethene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2-Dichloropropane	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,3-Dichloropropane	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
2,2-Dichloropropane	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,1-Dichloropropene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
cis-1,3-Dichloropropene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
trans-1,3-Dichloropropene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Ethylbenzene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Hexachlorobutadiene	ND	85.2	170	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
2-Hexanone	ND	426	852	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Isopropylbenzene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
4-Isopropyltoluene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Methylene chloride	ND	426	852	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	426	852	ug/kg dry	50	04/12/21 18:41	5035A/8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040368**		
Methyl tert-butyl ether (MTBE)	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Naphthalene	ND	85.2	170	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
n-Propylbenzene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Styrene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Tetrachloroethene (PCE)	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Toluene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2,3-Trichlorobenzene	ND	213	426	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2,4-Trichlorobenzene	ND	213	426	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,1,1-Trichloroethane	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,1,2-Trichloroethane	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Trichloroethene (TCE)	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Trichlorofluoromethane	ND	85.2	170	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2,3-Trichloropropane	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,2,4-Trimethylbenzene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
1,3,5-Trimethylbenzene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
m,p-Xylene	ND	42.6	85.2	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
o-Xylene	ND	21.3	42.6	ug/kg dry	50	04/12/21 18:41	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*04/12/21 18:41*	*5035A/8260D*	
Toluene-d8 (Surr)			*102 %*	*80-120 %*	*1*	*04/12/21 18:41*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*79-120 %*	*1*	*04/12/21 18:41*	*5035A/8260D*	
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040426**		
Acetone	ND	683	1370	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Acrylonitrile	ND	68.3	137	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Benzene	ND	6.83	13.7	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Bromobenzene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Bromochloromethane	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Bromodichloromethane	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Bromoform	ND	68.3	137	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Bromomethane	ND	683	683	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
2-Butanone (MEK)	ND	341	683	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
n-Butylbenzene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040426**		
sec-Butylbenzene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
tert-Butylbenzene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Carbon disulfide	ND	341	683	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Carbon tetrachloride	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Chlorobenzene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Chloroethane	ND	341	683	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Chloroform	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Chloromethane	ND	171	341	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
2-Chlorotoluene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
4-Chlorotoluene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Dibromochloromethane	ND	68.3	137	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2-Dibromo-3-chloropropane	ND	171	341	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Dibromomethane	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2-Dichlorobenzene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,3-Dichlorobenzene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,4-Dichlorobenzene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Dichlorodifluoromethane	ND	137	137	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,1-Dichloroethane	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,1-Dichloroethene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
cis-1,2-Dichloroethene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
trans-1,2-Dichloroethene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2-Dichloropropane	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,3-Dichloropropane	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
2,2-Dichloropropane	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,1-Dichloropropene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
cis-1,3-Dichloropropene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
trans-1,3-Dichloropropene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Ethylbenzene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Hexachlorobutadiene	ND	68.3	137	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
2-Hexanone	ND	341	683	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Isopropylbenzene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
4-Isopropyltoluene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040426**		
Methylene chloride	ND	341	683	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
4-Methyl-2-pentanone (MiBK)	ND	341	683	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Naphthalene	ND	68.3	137	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
n-Propylbenzene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Styrene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,1,1,2-Tetrachloroethane	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,1,2,2-Tetrachloroethane	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Tetrachloroethene (PCE)	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Toluene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2,3-Trichlorobenzene	ND	171	341	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2,4-Trichlorobenzene	ND	171	341	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,1,1-Trichloroethane	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,1,2-Trichloroethane	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Trichloroethene (TCE)	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Trichlorofluoromethane	ND	68.3	137	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2,3-Trichloropropane	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,2,4-Trimethylbenzene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
1,3,5-Trimethylbenzene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
m,p-Xylene	ND	34.1	68.3	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
o-Xylene	ND	17.1	34.1	ug/kg dry	50	04/13/21 16:27	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*100 %*	*Limits: 80-120 %*	*1*	*04/13/21 16:27*	*5035A/8260D*	
Toluene-d8 (Surr)			*101 %*	*80-120 %*	*1*	*04/13/21 16:27*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*	*1*	*04/13/21 16:27*	*5035A/8260D*	
GP01-GW-15 (A1D0263-10RE1)				**Matrix: Water**		**Batch: 1040556**		
Acetone	ND	10.0	20.0	ug/L	1	04/16/21 07:53	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/16/21 07:53	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/16/21 07:53	EPA 8260D	

Apex Laboratories

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-GW-15 (A1D0263-10RE1)				**Matrix: Water**		**Batch: 1040556**		
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/16/21 07:53	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/16/21 07:53	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	04/16/21 07:53	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
2,2-Dichloropropane	ND	1.00	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/16/21 07:53	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/16/21 07:53	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-GW-15 (A1D0263-10RE1)				**Matrix: Water**		**Batch: 1040556**		
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/16/21 07:53	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/16/21 07:53	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/16/21 07:53	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.500	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	R-06
Toluene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/16/21 07:53	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/16/21 07:53	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/16/21 07:53	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*112 %*	*Limits:*	*80-120 %*	*1*	*04/16/21 07:53*	*EPA 8260D*	
Toluene-d8 (Surr)			*97 %*		*80-120 %*	*1*	*04/16/21 07:53*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*106 %*		*80-120 %*	*1*	*04/16/21 07:53*	*EPA 8260D*	
GP01-GW-15-DUP (A1D0263-11RE1)				**Matrix: Water**		**Batch: 1040556**		
Acetone	ND	10.0	20.0	ug/L	1	04/16/21 08:21	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/16/21 08:21	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-GW-15-DUP (A1D0263-11RE1)				**Matrix: Water**		**Batch: 1040556**		
Bromoform	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/16/21 08:21	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/16/21 08:21	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/16/21 08:21	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	04/16/21 08:21	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
2,2-Dichloropropane	ND	1.00	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-GW-15-DUP (A1D0263-11RE1)				**Matrix: Water**		**Batch: 1040556**		
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/16/21 08:21	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/16/21 08:21	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/16/21 08:21	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/16/21 08:21	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/16/21 08:21	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.500	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	R-06
Toluene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/16/21 08:21	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/16/21 08:21	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/16/21 08:21	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*112 %*	*Limits: 80-120 %*	*1*	*04/16/21 08:21*	*EPA 8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*04/16/21 08:21*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*106 %*	*80-120 %*	*1*	*04/16/21 08:21*	*EPA 8260D*	
GP02-GW-15 (A1D0263-12RE1)				**Matrix: Water**		**Batch: 1040556**		
Acetone	ND	10.0	20.0	ug/L	1	04/16/21 08:49	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/16/21 08:49	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP02-GW-15 (A1D0263-12RE1)				**Matrix: Water**		**Batch: 1040556**		
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/16/21 08:49	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/16/21 08:49	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/16/21 08:49	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	04/16/21 08:49	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
2,2-Dichloropropane	ND	1.00	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP02-GW-15 (A1D0263-12RE1)				**Matrix: Water**		**Batch: 1040556**		
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/16/21 08:49	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/16/21 08:49	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/16/21 08:49	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/16/21 08:49	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/16/21 08:49	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.400	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/16/21 08:49	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/16/21 08:49	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/16/21 08:49	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*112 %*	*Limits:*	*80-120 %*	*1*	*04/16/21 08:49*	*EPA 8260D*
Toluene-d8 (Surr)			*98 %*		*80-120 %*	*1*	*04/16/21 08:49*	*EPA 8260D*
4-Bromofluorobenzene (Surr)			*105 %*		*80-120 %*	*1*	*04/16/21 08:49*	*EPA 8260D*
GP03-GW-15 (A1D0263-13)				**Matrix: Water**		**Batch: 1040359**		
Acetone	ND	10.0	20.0	ug/L	1	04/12/21 14:02	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/12/21 14:02	EPA 8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP03-GW-15 (A1D0263-13)				**Matrix: Water**		**Batch: 1040359**		
Benzene	ND	0.100	0.200	ug/L	1	04/12/21 14:02	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/12/21 14:02	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/12/21 14:02	EPA 8260D	
n-Butylbenzene	**0.595**	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	**J**
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/12/21 14:02	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	04/12/21 14:02	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP03-GW-15 (A1D0263-13)				**Matrix: Water**		**Batch: 1040359**		
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Ethylbenzene	**0.460**	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	**J**
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/12/21 14:02	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/12/21 14:02	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/12/21 14:02	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/12/21 14:02	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
Naphthalene	**32.2**	2.00	4.00	ug/L	1	04/12/21 14:02	EPA 8260D	**Q-01**
n-Propylbenzene	**0.365**	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	**J**
Styrene	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
Toluene	**0.583**	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	**J**
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/12/21 14:02	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,2,4-Trimethylbenzene	**6.51**	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
1,3,5-Trimethylbenzene	**1.93**	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
m,p-Xylene	**2.37**	0.500	1.00	ug/L	1	04/12/21 14:02	EPA 8260D	
o-Xylene	**1.02**	0.250	0.500	ug/L	1	04/12/21 14:02	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits:*	*80-120 %*	*1*	*04/12/21 14:02*	*EPA 8260D*
Toluene-d8 (Surr)			*96 %*		*80-120 %*	*1*	*04/12/21 14:02*	*EPA 8260D*
4-Bromofluorobenzene (Surr)			*93 %*		*80-120 %*	*1*	*04/12/21 14:02*	*EPA 8260D*

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP04-GW-15 (A1D0263-14RE1)				**Matrix: Water**		**Batch: 1040556**		
Acetone	ND	10.0	20.0	ug/L	1	04/16/21 09:16	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/16/21 09:16	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/16/21 09:16	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/16/21 09:16	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/16/21 09:16	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	04/16/21 09:16	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	

Apex Laboratories

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP04-GW-15 (A1D0263-14RE1)				**Matrix: Water**		**Batch: 1040556**		
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
2,2-Dichloropropane	ND	1.00	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/16/21 09:16	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/16/21 09:16	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/16/21 09:16	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/16/21 09:16	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/16/21 09:16	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.400	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/16/21 09:16	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/16/21 09:16	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/16/21 09:16	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*110 %*	*Limits:*	*80-120 %*	*04/16/21 09:16*	*EPA 8260D*	
Toluene-d8 (Surr)			*98 %*		*80-120 %*	*04/16/21 09:16*	*EPA 8260D*	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP04-GW-15 (A1D0263-14RE1)				**Matrix: Water**		**Batch: 1040556**		
Surrogate: 4-Bromofluorobenzene (Surr)		*Recovery: 105 %*	*Limits: 80-120 %*		*1*	*04/16/21 09:16*	*EPA 8260D*	
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040359**		
Acetone	ND	10.0	20.0	ug/L	1	04/12/21 16:44	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/12/21 16:44	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/12/21 16:44	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/12/21 16:44	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/12/21 16:44	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	04/12/21 16:44	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040359**		
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/12/21 16:44	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/12/21 16:44	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/12/21 16:44	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/12/21 16:44	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/12/21 16:44	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
Toluene	**1.02**	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/12/21 16:44	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	
m,p-Xylene	**0.781**	0.500	1.00	ug/L	1	04/12/21 16:44	EPA 8260D	**J**
o-Xylene	**0.265**	0.250	0.500	ug/L	1	04/12/21 16:44	EPA 8260D	**J**

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040359**		
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	*1*	*04/12/21 16:44*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/12/21 16:44*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*04/12/21 16:44*	*EPA 8260D*	
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040359**		
Acetone	ND	10.0	20.0	ug/L	1	04/12/21 17:11	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/12/21 17:11	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/12/21 17:11	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/12/21 17:11	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/12/21 17:11	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	04/12/21 17:11	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040359**		
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/12/21 17:11	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/12/21 17:11	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/12/21 17:11	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/12/21 17:11	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/12/21 17:11	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/12/21 17:11	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040359**		
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/12/21 17:11	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/12/21 17:11	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*102 %*	*Limits: 80-120 %*	*1*	*04/12/21 17:11*	*EPA 8260D*	
Toluene-d8 (Surr)			*97 %*	*80-120 %*	*1*	*04/12/21 17:11*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*103 %*	*80-120 %*	*1*	*04/12/21 17:11*	*EPA 8260D*	
GP07-GW-15 (A1D0263-17RE1)				**Matrix: Water**		**Batch: 1040556**		
Acetone	ND	10.0	20.0	ug/L	1	04/16/21 09:44	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/16/21 09:44	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/16/21 09:44	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/16/21 09:44	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/16/21 09:44	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Chloromethane	ND	2.50	5.00	ug/L	1	04/16/21 09:44	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP07-GW-15 (A1D0263-17RE1)				**Matrix: Water**		**Batch: 1040556**		
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
2,2-Dichloropropane	ND	1.00	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/16/21 09:44	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/16/21 09:44	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/16/21 09:44	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/16/21 09:44	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/16/21 09:44	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.400	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/16/21 09:44	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP07-GW-15 (A1D0263-17RE1)				**Matrix: Water**		**Batch: 1040556**		
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/16/21 09:44	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/16/21 09:44	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*111 %*	*Limits: 80-120 %*	*1*	*04/16/21 09:44*	*EPA 8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*04/16/21 09:44*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*107 %*	*80-120 %*	*1*	*04/16/21 09:44*	*EPA 8260D*	
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040359**		
Acetone	ND	10.0	20.0	ug/L	1	04/12/21 18:05	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/12/21 18:05	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/12/21 18:05	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/12/21 18:05	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/12/21 18:05	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	04/12/21 18:05	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040359**		
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/12/21 18:05	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/12/21 18:05	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/12/21 18:05	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/12/21 18:05	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/12/21 18:05	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/12/21 18:05	EPA 8260D	

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Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040359**		
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/12/21 18:05	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/12/21 18:05	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*04/12/21 18:05*	*EPA 8260D*	
Toluene-d8 (Surr)			*98 %*	*80-120 %*	*1*	*04/12/21 18:05*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*04/12/21 18:05*	*EPA 8260D*	
040721TB (A1D0263-19)				**Matrix: Water**		**Batch: 1040359**		
Acetone	ND	10.0	20.0	ug/L	1	04/12/21 12:14	EPA 8260D	
Acrylonitrile	ND	1.00	2.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Benzene	ND	0.100	0.200	ug/L	1	04/12/21 12:14	EPA 8260D	
Bromobenzene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Bromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Bromoform	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Bromomethane	ND	5.00	5.00	ug/L	1	04/12/21 12:14	EPA 8260D	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	04/12/21 12:14	EPA 8260D	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Carbon disulfide	ND	5.00	10.0	ug/L	1	04/12/21 12:14	EPA 8260D	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Chlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Chloroethane	ND	5.00	5.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Chloroform	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Chloromethane	ND	5.00	5.00	ug/L	1	04/12/21 12:14	EPA 8260D	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Dibromomethane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	

Apex Laboratories

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Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
040721TB (A1D0263-19)				**Matrix: Water**		**Batch: 1040359**		
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Ethylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	04/12/21 12:14	EPA 8260D	
2-Hexanone	ND	5.00	10.0	ug/L	1	04/12/21 12:14	EPA 8260D	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Methylene chloride	ND	5.00	10.0	ug/L	1	04/12/21 12:14	EPA 8260D	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	04/12/21 12:14	EPA 8260D	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
Naphthalene	ND	2.00	4.00	ug/L	1	04/12/21 12:14	EPA 8260D	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Styrene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
Toluene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
040721TB (A1D0263-19)				**Matrix: Water**		**Batch: 1040359**		
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	04/12/21 12:14	EPA 8260D	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
m,p-Xylene	ND	0.500	1.00	ug/L	1	04/12/21 12:14	EPA 8260D	
o-Xylene	ND	0.250	0.500	ug/L	1	04/12/21 12:14	EPA 8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*101 %*	*Limits: 80-120 %*	*1*	*04/12/21 12:14*	*EPA 8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*04/12/21 12:14*	*EPA 8260D*	
4-Bromofluorobenzene (Surr)			*102 %*	*80-120 %*	*1*	*04/12/21 12:14*	*EPA 8260D*	

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.40	2.80	ug/kg dry	100	04/19/21 14:52	5035A/8260D SIM	
Vinyl chloride	ND	7.00	14.0	ug/kg dry	100	04/19/21 14:52	5035A/8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 102 %*	*Limits: 80-120 %*		*1*	*04/19/21 14:52*	*5035A/8260D SIM*	
Toluene-d8 (Surr)		*100 %*	*80-120 %*		*1*	*04/19/21 14:52*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)		*92 %*	*79-120 %*		*1*	*04/19/21 14:52*	*5035A/8260D SIM*	
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.33	2.66	ug/kg dry	100	04/19/21 15:19	5035A/8260D SIM	
Vinyl chloride	ND	6.65	13.3	ug/kg dry	100	04/19/21 15:19	5035A/8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 102 %*	*Limits: 80-120 %*		*1*	*04/19/21 15:19*	*5035A/8260D SIM*	
Toluene-d8 (Surr)		*99 %*	*80-120 %*		*1*	*04/19/21 15:19*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)		*92 %*	*79-120 %*		*1*	*04/19/21 15:19*	*5035A/8260D SIM*	
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.62	3.24	ug/kg dry	100	04/19/21 15:46	5035A/8260D SIM	
Vinyl chloride	ND	8.11	16.2	ug/kg dry	100	04/19/21 15:46	5035A/8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 103 %*	*Limits: 80-120 %*		*1*	*04/19/21 15:46*	*5035A/8260D SIM*	
Toluene-d8 (Surr)		*100 %*	*80-120 %*		*1*	*04/19/21 15:46*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)		*93 %*	*79-120 %*		*1*	*04/19/21 15:46*	*5035A/8260D SIM*	
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.26	2.52	ug/kg dry	100	04/19/21 16:39	5035A/8260D SIM	
Vinyl chloride	ND	6.29	12.6	ug/kg dry	100	04/19/21 16:39	5035A/8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*	*Limits: 80-120 %*		*1*	*04/19/21 16:39*	*5035A/8260D SIM*	
Toluene-d8 (Surr)		*100 %*	*80-120 %*		*1*	*04/19/21 16:39*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)		*92 %*	*79-120 %*		*1*	*04/19/21 16:39*	*5035A/8260D SIM*	
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.13	2.26	ug/kg dry	100	04/19/21 17:06	5035A/8260D SIM	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040641**		
Vinyl chloride	ND	5.66	11.3	ug/kg dry	100	04/19/21 17:06	5035A/8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*		*Limits: 80-120 %*	*1*	*04/19/21 17:06*	*5035A/8260D SIM*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/19/21 17:06*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)			*92 %*	*79-120 %*	*1*	*04/19/21 17:06*	*5035A/8260D SIM*	
GP06-S-7.5-DUP (A1D0263-07)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.57	3.15	ug/kg dry	100	04/19/21 17:32	5035A/8260D SIM	
Vinyl chloride	ND	7.87	15.7	ug/kg dry	100	04/19/21 17:32	5035A/8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 103 %*		*Limits: 80-120 %*	*1*	*04/19/21 17:32*	*5035A/8260D SIM*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/19/21 17:32*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)			*92 %*	*79-120 %*	*1*	*04/19/21 17:32*	*5035A/8260D SIM*	
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.70	3.41	ug/kg dry	100	04/19/21 17:59	5035A/8260D SIM	
Vinyl chloride	ND	8.52	17.0	ug/kg dry	100	04/19/21 17:59	5035A/8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 103 %*		*Limits: 80-120 %*	*1*	*04/19/21 17:59*	*5035A/8260D SIM*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/19/21 17:59*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)			*92 %*	*79-120 %*	*1*	*04/19/21 17:59*	*5035A/8260D SIM*	
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040641**		
1,2-Dibromoethane (EDB)	ND	1.37	2.73	ug/kg dry	100	04/19/21 18:26	5035A/8260D SIM	
Vinyl chloride	ND	6.83	13.7	ug/kg dry	100	04/19/21 18:26	5035A/8260D SIM	Q-42
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 103 %*		*Limits: 80-120 %*	*1*	*04/19/21 18:26*	*5035A/8260D SIM*	
Toluene-d8 (Surr)			*100 %*	*80-120 %*	*1*	*04/19/21 18:26*	*5035A/8260D SIM*	
4-Bromofluorobenzene (Surr)			*93 %*	*79-120 %*	*1*	*04/19/21 18:26*	*5035A/8260D SIM*	
GP01-GW-15 (A1D0263-10)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 13:33	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 13:33	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 100 %*		*Limits: 80-120 %*	*1*	*04/13/21 13:33*	*EPA 8260D SIM*	

Apex Laboratories

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-GW-15 (A1D0263-10)				**Matrix: Water**		**Batch: 1040427**		
Surrogate: Toluene-d8 (Surr)			*Recovery: 86 %*	*Limits: 80-120 %*	*1*	*04/13/21 13:33*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*88 %*	*80-120 %*	*1*	*04/13/21 13:33*	*EPA 8260D SIM*	
GP01-GW-15-DUP (A1D0263-11)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 13:59	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 13:59	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	*1*	*04/13/21 13:59*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*86 %*	*80-120 %*	*1*	*04/13/21 13:59*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*88 %*	*80-120 %*	*1*	*04/13/21 13:59*	*EPA 8260D SIM*	
GP02-GW-15 (A1D0263-12)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 14:53	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 14:53	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*	*1*	*04/13/21 14:53*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*86 %*	*80-120 %*	*1*	*04/13/21 14:53*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*87 %*	*80-120 %*	*1*	*04/13/21 14:53*	*EPA 8260D SIM*	
GP03-GW-15 (A1D0263-13)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 15:19	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 15:19	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	*1*	*04/13/21 15:19*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*86 %*	*80-120 %*	*1*	*04/13/21 15:19*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*86 %*	*80-120 %*	*1*	*04/13/21 15:19*	*EPA 8260D SIM*	
GP04-GW-15 (A1D0263-14)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 15:46	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 15:46	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*	*1*	*04/13/21 15:46*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*81 %*	*80-120 %*	*1*	*04/13/21 15:46*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*87 %*	*80-120 %*	*1*	*04/13/21 15:46*	*EPA 8260D SIM*	
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 16:13	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 16:13	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*	*1*	*04/13/21 16:13*	*EPA 8260D SIM*	

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040427**		
Surrogate: Toluene-d8 (Surr)		*Recovery: 87 %*		*Limits: 80-120 %*	*1*	*04/13/21 16:13*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*87 %*	*80-120 %*	*1*	*04/13/21 16:13*	*EPA 8260D SIM*	
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 16:39	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 16:39	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 102 %*		*Limits: 80-120 %*	*1*	*04/13/21 16:39*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*81 %*	*80-120 %*	*1*	*04/13/21 16:39*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*87 %*	*80-120 %*	*1*	*04/13/21 16:39*	*EPA 8260D SIM*	
GP07-GW-15 (A1D0263-17)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 17:06	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 17:06	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 105 %*		*Limits: 80-120 %*	*1*	*04/13/21 17:06*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*81 %*	*80-120 %*	*1*	*04/13/21 17:06*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*88 %*	*80-120 %*	*1*	*04/13/21 17:06*	*EPA 8260D SIM*	
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040427**		
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 17:33	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 17:33	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 105 %*		*Limits: 80-120 %*	*1*	*04/13/21 17:33*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*86 %*	*80-120 %*	*1*	*04/13/21 17:33*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*87 %*	*80-120 %*	*1*	*04/13/21 17:33*	*EPA 8260D SIM*	
040721TB (A1D0263-19)				**Matrix: Water**		**Batch: 1040427**		**V-01**
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	04/13/21 13:06	EPA 8260D SIM	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	04/13/21 13:06	EPA 8260D SIM	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery: 99 %*		*Limits: 80-120 %*	*1*	*04/13/21 13:06*	*EPA 8260D SIM*	
Toluene-d8 (Surr)			*87 %*	*80-120 %*	*1*	*04/13/21 13:06*	*EPA 8260D SIM*	
4-Bromofluorobenzene (Surr)			*87 %*	*80-120 %*	*1*	*04/13/21 13:06*	*EPA 8260D SIM*	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01RE1)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Acenaphthylene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Anthracene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Benz(a)anthracene	**6.77**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	**J**
Benzo(a)pyrene	**6.59**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	**J**
Benzo(b)fluoranthene	**8.03**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	**J**
Benzo(k)fluoranthene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Benzo(g,h,i)perylene	**18.8**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Chrysene	**8.77**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	**J**
Dibenz(a,h)anthracene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Fluoranthene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Fluorene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	**10.5**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	**J**
1-Methylnaphthalene	**13.5**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
2-Methylnaphthalene	**19.2**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Naphthalene	**10.9**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	**J**
Phenanthrene	**10.2**	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	**J**
Pyrene	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Dibenzofuran	ND	6.16	12.3	ug/kg dry	1	04/12/21 10:32	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*75 %*	*Limits: 44-120 %*	*1*	*04/12/21 10:32*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*69 %*	*54-127 %*	*1*	*04/12/21 10:32*	*EPA 8270E SIM*	
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Acenaphthylene	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Anthracene	**313**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Benz(a)anthracene	**1240**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Benzo(a)pyrene	**963**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Benzo(b)fluoranthene	**1180**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	**M-05**
Benzo(k)fluoranthene	**535**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	**M-05**
Benzo(g,h,i)perylene	**551**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Chrysene	**1270**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040302**		
Fluoranthene	**2200**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Fluorene	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	**692**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
1-Methylnaphthalene	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
2-Methylnaphthalene	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Naphthalene	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Phenanthrene	**1510**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Pyrene	**1600**	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Dibenzofuran	ND	119	239	ug/kg dry	20	04/09/21 14:23	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 79 %*		*Limits: 44-120 %*	*20*	*04/09/21 14:23*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*86 %*	*54-127 %*	*20*	*04/09/21 14:23*	*EPA 8270E SIM*	
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	13200	13200	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	R-02
Acenaphthylene	ND	2460	2460	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	R-02
Anthracene	ND	5860	5860	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	R-02
Benz(a)anthracene	**4430**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Benzo(a)pyrene	**3040**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Benzo(b)fluoranthene	**868**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	**M-05**
Benzo(k)fluoranthene	ND	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Benzo(g,h,i)perylene	**1720**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Chrysene	**5860**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Dibenz(a,h)anthracene	**317**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	**J**
Fluoranthene	**1560**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Fluorene	**9430**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	**584**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
1-Methylnaphthalene	**105000**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
2-Methylnaphthalene	**186000**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Naphthalene	**25000**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Phenanthrene	**36900**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Pyrene	**11200**	232	465	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	
Dibenzofuran	ND	4560	4560	ug/kg dry	40	04/09/21 14:48	EPA 8270E SIM	R-02
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 186 %*		*Limits: 44-120 %*	*40*	*04/09/21 14:48*	*EPA 8270E SIM*	*S-05*

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040302**		
Surrogate: p-Terphenyl-d14 (Surr)			*Recovery: 85 %*	*Limits: 54-127 %*	*40*	*04/09/21 14:48*	*EPA 8270E SIM*	*S-05*
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Acenaphthylene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Anthracene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Benz(a)anthracene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Benzo(a)pyrene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Chrysene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Fluoranthene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Fluorene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
1-Methylnaphthalene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
2-Methylnaphthalene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Naphthalene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Phenanthrene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Pyrene	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Dibenzofuran	ND	6.46	12.9	ug/kg dry	1	04/09/21 20:16	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)			*Recovery: 92 %*	*Limits: 44-120 %*	*1*	*04/09/21 20:16*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*93 %*	*54-127 %*	*1*	*04/09/21 20:16*	*EPA 8270E SIM*	
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Acenaphthylene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Anthracene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Benz(a)anthracene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Benzo(a)pyrene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040302**		
Chrysene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Fluoranthene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Fluorene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
1-Methylnaphthalene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
2-Methylnaphthalene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Naphthalene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Phenanthrene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Pyrene	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Dibenzofuran	ND	5.99	12.0	ug/kg dry	1	04/09/21 20:41	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*95 %*	*Limits: 44-120 %*	*1*	*04/09/21 20:41*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*91 %*	*54-127 %*	*1*	*04/09/21 20:41*	*EPA 8270E SIM*	
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Acenaphthylene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Anthracene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Benz(a)anthracene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Benzo(a)pyrene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Chrysene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Fluoranthene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Fluorene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
1-Methylnaphthalene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
2-Methylnaphthalene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Naphthalene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Phenanthrene	**8.05**	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	**J**
Pyrene	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040302**		
Dibenzofuran	ND	5.73	11.5	ug/kg dry	1	04/09/21 21:07	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*92 %*	*Limits: 44-120 %*	*1*	*04/09/21 21:07*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*95 %*	*54-127 %*	*1*	*04/09/21 21:07*	*EPA 8270E SIM*	
GP06-S-7.5-DUP (A1D0263-07)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Acenaphthylene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Anthracene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Benz(a)anthracene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Benzo(a)pyrene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Chrysene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Fluoranthene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Fluorene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
1-Methylnaphthalene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
2-Methylnaphthalene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Naphthalene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Phenanthrene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Pyrene	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Dibenzofuran	ND	5.83	11.7	ug/kg dry	1	04/12/21 10:06	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*86 %*	*Limits: 44-120 %*	*1*	*04/12/21 10:06*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*78 %*	*54-127 %*	*1*	*04/12/21 10:06*	*EPA 8270E SIM*	
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Acenaphthylene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Anthracene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Benz(a)anthracene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Benzo(a)pyrene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040302**		
Benzo(k)fluoranthene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Chrysene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Fluoranthene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Fluorene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
1-Methylnaphthalene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
2-Methylnaphthalene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Naphthalene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Phenanthrene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Pyrene	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Dibenzofuran	ND	6.28	12.6	ug/kg dry	1	04/12/21 09:41	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*90 %*	*Limits: 44-120 %*	*1*	*04/12/21 09:41*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*84 %*	*54-127 %*	*1*	*04/12/21 09:41*	*EPA 8270E SIM*	
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040302**		
Acenaphthene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Acenaphthylene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Anthracene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Benz(a)anthracene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Benzo(a)pyrene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Chrysene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Fluoranthene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Fluorene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
1-Methylnaphthalene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
2-Methylnaphthalene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Naphthalene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040302**		
Phenanthrene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Pyrene	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Dibenzofuran	ND	6.18	12.4	ug/kg dry	1	04/09/21 12:16	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*81 %*	*Limits: 44-120 %*	*1*	*04/09/21 12:16*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*84 %*	*54-127 %*	*1*	*04/09/21 12:16*	*EPA 8270E SIM*	
GP01-GW-15 (A1D0263-10)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Acenaphthylene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Anthracene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Chrysene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Fluoranthene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Fluorene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0444	0.0889	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0444	0.0889	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Naphthalene	ND	0.0444	0.0889	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Phenanthrene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Pyrene	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Dibenzofuran	ND	0.0222	0.0444	ug/L	1	04/09/21 19:51	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*78 %*	*Limits: 44-120 %*	*1*	*04/09/21 19:51*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*84 %*	*50-134 %*	*1*	*04/09/21 19:51*	*EPA 8270E SIM*	
GP01-GW-15-DUP (A1D0263-11)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Acenaphthylene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Anthracene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-GW-15-DUP (A1D0263-11)				**Matrix: Water**		**Batch: 1040310**		
Benzo(a)pyrene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Chrysene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Fluoranthene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Fluorene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0460	0.0920	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0460	0.0920	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Naphthalene	**0.0486**	0.0460	0.0920	ug/L	1	04/12/21 10:57	EPA 8270E SIM	**J**
Phenanthrene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Pyrene	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Dibenzofuran	ND	0.0230	0.0460	ug/L	1	04/12/21 10:57	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*83 %*	*Limits: 44-120 %*	*1*	*04/12/21 10:57*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*79 %*	*50-134 %*	*1*	*04/12/21 10:57*	*EPA 8270E SIM*	
GP02-GW-15 (A1D0263-12)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Acenaphthylene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Anthracene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Chrysene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Fluoranthene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Fluorene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0421	0.0842	ug/L	1	04/12/21 11:22	EPA 8270E SIM	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP02-GW-15 (A1D0263-12)				**Matrix: Water**		**Batch: 1040310**		
2-Methylnaphthalene	ND	0.0421	0.0842	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Naphthalene	ND	0.0421	0.0842	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Phenanthrene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Pyrene	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Dibenzofuran	ND	0.0211	0.0421	ug/L	1	04/12/21 11:22	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*82 %*	*Limits: 44-120 %*	*1*	*04/12/21 11:22*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*84 %*	*50-134 %*	*1*	*04/12/21 11:22*	*EPA 8270E SIM*	
GP03-GW-15 (A1D0263-13)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	3.68	3.68	ug/L	1	04/12/21 15:36	EPA 8270E SIM	R-02
Acenaphthylene	ND	0.526	0.526	ug/L	1	04/12/21 15:36	EPA 8270E SIM	R-02
Anthracene	ND	0.526	0.526	ug/L	1	04/12/21 15:36	EPA 8270E SIM	R-02
Benz(a)anthracene	**0.0532**	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Chrysene	**0.0616**	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Fluoranthene	**0.0473**	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Fluorene	**2.06**	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Naphthalene	**13.9**	0.0421	0.0842	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Phenanthrene	**4.07**	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Pyrene	**0.287**	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Dibenzofuran	**0.948**	0.0211	0.0421	ug/L	1	04/12/21 15:36	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*84 %*	*Limits: 44-120 %*	*1*	*04/12/21 15:36*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*86 %*	*50-134 %*	*1*	*04/12/21 15:36*	*EPA 8270E SIM*	
GP03-GW-15 (A1D0263-13RE1)				**Matrix: Water**		**Batch: 1040310**		
1-Methylnaphthalene	**42.2**	0.842	1.68	ug/L	20	04/12/21 20:39	EPA 8270E SIM	
2-Methylnaphthalene	**56.9**	0.842	1.68	ug/L	20	04/12/21 20:39	EPA 8270E SIM	
GP04-GW-15 (A1D0263-14)				**Matrix: Water**		**Batch: 1040310**		

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP04-GW-15 (A1D0263-14)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Acenaphthylene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Anthracene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Chrysene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Fluoranthene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Fluorene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0417	0.0833	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0417	0.0833	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Naphthalene	ND	0.0417	0.0833	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Phenanthrene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Pyrene	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Dibenzofuran	ND	0.0208	0.0417	ug/L	1	04/12/21 16:01	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*72 %*	*Limits: 44-120 %*	*1*	*04/12/21 16:01*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*83 %*	*50-134 %*	*1*	*04/12/21 16:01*	*EPA 8270E SIM*	
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Acenaphthylene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Anthracene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Chrysene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP05-GW-12 (A1D0263-15)				**Matrix: Water**		**Batch: 1040310**		
Fluoranthene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Fluorene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0455	0.0909	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0455	0.0909	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Naphthalene	**0.0900**	0.0455	0.0909	ug/L	1	04/12/21 16:26	EPA 8270E SIM	**J**
Phenanthrene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Pyrene	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Dibenzofuran	ND	0.0227	0.0455	ug/L	1	04/12/21 16:26	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*59 %*	*Limits: 44-120 %*	*1*	*04/12/21 16:26*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*79 %*	*50-134 %*	*1*	*04/12/21 16:26*	*EPA 8270E SIM*	
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Acenaphthylene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Anthracene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Chrysene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Fluoranthene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Fluorene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0426	0.0851	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0426	0.0851	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Naphthalene	ND	0.0426	0.0851	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Phenanthrene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Pyrene	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Dibenzofuran	ND	0.0213	0.0426	ug/L	1	04/12/21 16:52	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*64 %*	*Limits: 44-120 %*	*1*	*04/12/21 16:52*	*EPA 8270E SIM*	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP06-GW-15 (A1D0263-16)				**Matrix: Water**		**Batch: 1040310**		
Surrogate: p-Terphenyl-d14 (Surr)		*Recovery: 83 %*	*Limits: 50-134 %*		*1*	*04/12/21 16:52*	*EPA 8270E SIM*	
GP07-GW-15 (A1D0263-17)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Acenaphthylene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Anthracene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Chrysene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Fluoranthene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Fluorene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0444	0.0889	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0444	0.0889	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Naphthalene	**0.0546**	0.0444	0.0889	ug/L	1	04/12/21 17:17	EPA 8270E SIM	**J**
Phenanthrene	**0.0253**	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	**J**
Pyrene	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Dibenzofuran	ND	0.0222	0.0444	ug/L	1	04/12/21 17:17	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery: 95 %*	*Limits: 44-120 %*		*1*	*04/12/21 17:17*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)		*85 %*	*50-134 %*		*1*	*04/12/21 17:17*	*EPA 8270E SIM*	
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040310**		
Acenaphthene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Acenaphthylene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Anthracene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Benz(a)anthracene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Benzo(a)pyrene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Benzo(b)fluoranthene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Benzo(k)fluoranthene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Benzo(g,h,i)perylene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP08-GW-15 (A1D0263-18)				**Matrix: Water**		**Batch: 1040310**		
Chrysene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Dibenz(a,h)anthracene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Fluoranthene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Fluorene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Indeno(1,2,3-cd)pyrene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
1-Methylnaphthalene	ND	0.0435	0.0870	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
2-Methylnaphthalene	ND	0.0435	0.0870	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Naphthalene	ND	0.0435	0.0870	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Phenanthrene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Pyrene	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Dibenzofuran	ND	0.0217	0.0435	ug/L	1	04/12/21 17:42	EPA 8270E SIM	
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*87 %*	*Limits: 44-120 %*	*1*	*04/12/21 17:42*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*83 %*	*50-134 %*	*1*	*04/12/21 17:42*	*EPA 8270E SIM*	

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ANALYTICAL REPORT

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3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
GP01-S-5.5 (A1D0263-01)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**79.6**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP02-S-8 (A1D0263-02)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**79.1**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP03-S-6 (A1D0263-03)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**85.0**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP04-S-8 (A1D0263-04)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**77.3**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP05-S-6 (A1D0263-05)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**79.7**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP06-S-7.5 (A1D0263-06)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**85.8**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP06-S-7.5-DUP (A1D0263-07)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**84.6**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP07-S-6 (A1D0263-08)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**78.7**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	
GP08-S-6 (A1D0263-09)				**Matrix: Soil**		**Batch: 1040303**		
% Solids	**79.5**	1.00	1.00	%	1	04/12/21 07:51	EPA 8000D	

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040261 - EPA 3510C (Fuels/Acid Ext.)									Water			
Blank (1040261-BLK1)			Prepared: 04/08/21 10:59		Analyzed: 04/09/21 02:22							
NWTPH-Dx LL												
Diesel	ND	0.0364	0.0727	mg/L	1	---	---	---	---	---	---	
Oil	ND	0.0727	0.145	mg/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 86 %*		*Limits: 50-150 %*			*Dilution: 1x*				
LCS (1040261-BS1)			Prepared: 04/08/21 10:59		Analyzed: 04/09/21 02:43							
NWTPH-Dx LL												
Diesel	0.332	0.0400	0.0800	mg/L	1	0.500	---	66	59-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 101 %*		*Limits: 50-150 %*			*Dilution: 1x*				
LCS Dup (1040261-BSD1)			Prepared: 04/08/21 10:59		Analyzed: 04/09/21 03:03							Q-19
NWTPH-Dx LL												
Diesel	0.372	0.0400	0.0800	mg/L	1	0.500	---	74	59-115%	11	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 102 %*		*Limits: 50-150 %*			*Dilution: 1x*				
Batch 1040332 - EPA 3546 (Fuels)									Soil			
Blank (1040332-BLK1)			Prepared: 04/09/21 13:05		Analyzed: 04/09/21 23:12							
NWTPH-Dx												
Diesel	ND	9.09	18.2	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	18.2	36.4	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 93 %*		*Limits: 50-150 %*			*Dilution: 1x*				
LCS (1040332-BS1)			Prepared: 04/09/21 13:05		Analyzed: 04/09/21 23:33							
NWTPH-Dx												
Diesel	130	10.0	20.0	mg/kg wet	1	125	---	104	73-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 104 %*		*Limits: 50-150 %*			*Dilution: 1x*				
Duplicate (1040332-DUP2)			Prepared: 04/09/21 13:09		Analyzed: 04/10/21 00:34							
QC Source Sample: GP05-S-6 (A1D0263-05)												
NWTPH-Dx												
Diesel	ND	12.4	25.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	24.7	50.0	mg/kg dry	1	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040332 - EPA 3546 (Fuels)							**Soil**					
Duplicate (1040332-DUP2)				Prepared: 04/09/21 13:09 Analyzed: 04/10/21 00:34								
QC Source Sample: GP05-S-6 (A1D0263-05)												
Surr: o-Terphenyl (Surr)			*Recovery: 63 %*	*Limits: 50-150 %*			*Dilution: 1x*					
Duplicate (1040332-DUP4)				Prepared: 04/09/21 13:05 Analyzed: 04/12/21 09:06								
QC Source Sample: Non-SDG (A1D0211-01RE2)												
Diesel	ND	23.2	46.3	mg/kg dry	2	---	ND	---	---	---	30%	
Oil	**464**	46.3	92.6	mg/kg dry	2	---	492	---	---	6	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 69 %*	*Limits: 50-150 %*			*Dilution: 2x*					S-05

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Philip Nerenberg

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040449 - EPA 3546 (Fuels)							Soil					
Blank (1040449-BLK1)			Prepared: 04/13/21 13:16		Analyzed: 04/13/21 23:50							
NWTPH-Dx												
Diesel	ND	9.09	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	18.2	50.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 95 %*		*Limits: 50-150 %*		*Dilution: 1x*					
LCS (1040449-BS1)			Prepared: 04/13/21 13:16		Analyzed: 04/14/21 00:10							
NWTPH-Dx												
Diesel	113	10.0	20.0	mg/kg wet	1	125	---	91	73-115%	---	---	
Surr: o-Terphenyl (Surr)			*Recovery: 100 %*		*Limits: 50-150 %*		*Dilution: 1x*					
Duplicate (1040449-DUP1)			Prepared: 04/13/21 13:16		Analyzed: 04/14/21 00:51							
QC Source Sample: GP06-S-7.5 (A1D0263-06)												
NWTPH-Dx												
Diesel	ND	11.4	25.0	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	22.7	50.0	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 94 %*		*Limits: 50-150 %*		*Dilution: 1x*					
Duplicate (1040449-DUP2)			Prepared: 04/13/21 19:26		Analyzed: 04/14/21 03:33							
QC Source Sample: Non-SDG (A1D0494-01)												
Diesel	ND	12.1	24.3	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	24.3	48.5	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)			*Recovery: 69 %*		*Limits: 50-150 %*		*Dilution: 1x*					

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Philip Nerenberg

Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B									Water			
Blank (1040359-BLK1)			Prepared: 04/12/21 08:00		Analyzed: 04/12/21 11:47							
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 102 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*105 %*		*50-150 %*				*"*			
LCS (1040359-BS2)			Prepared: 04/12/21 08:00		Analyzed: 04/12/21 11:19							
NWTPH-Gx (MS)												
Gasoline Range Organics	0.445	0.0500	0.100	mg/L	1	0.500	---	89	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 109 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*102 %*		*50-150 %*				*"*			
Duplicate (1040359-DUP1)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 13:35							
QC Source Sample: GP01-GW-15 (A1D0263-10)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	0.0500	0.100	mg/L	1	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 102 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*105 %*		*50-150 %*				*"*			
Duplicate (1040359-DUP2)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 20:47							
QC Source Sample: Non-SDG (A1D0350-08)												
Gasoline Range Organics	ND	0.100	0.100	mg/L	1	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 101 %*		*Limits: 50-150 %*				*Dilution: 1x*			
1,4-Difluorobenzene (Sur)			*104 %*		*50-150 %*				*"*			

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Blank (1040368-BLK1)				Prepared: 04/12/21 09:00 Analyzed: 04/12/21 11:30								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	1.67	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 97 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*91 %*	*50-150 %*			*"*					
LCS (1040368-BS2)				Prepared: 04/12/21 09:00 Analyzed: 04/12/21 11:03								
NWTPH-Gx (MS)												
Gasoline Range Organics	24.3	2.50	5.00	mg/kg wet	50	25.0	---	97	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 100 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*94 %*	*50-150 %*			*"*					
Duplicate (1040368-DUP1)				Prepared: 04/06/21 12:50 Analyzed: 04/12/21 12:51								
QC Source Sample: GP01-S-5.5 (A1D0263-01)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	3.34	6.67	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 104 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*93 %*	*50-150 %*			*"*					
Duplicate (1040368-DUP2)				Prepared: 04/07/21 09:15 Analyzed: 04/12/21 13:45								
QC Source Sample: GP02-S-8 (A1D0263-02)												
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	3.32	6.63	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 102 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*92 %*	*50-150 %*			*"*					

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Blank (1040426-BLK1)				Prepared: 04/13/21 09:00 Analyzed: 04/13/21 11:57								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	1.67	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 102 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*96 %*	*50-150 %*			*"*					
LCS (1040426-BS2)				Prepared: 04/13/21 09:00 Analyzed: 04/13/21 11:03								
NWTPH-Gx (MS)												
Gasoline Range Organics	24.1	2.50	5.00	mg/kg wet	50	25.0	---	96	80-120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 99 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*96 %*	*50-150 %*			*"*					
Duplicate (1040426-DUP1)				Prepared: 04/08/21 09:05 Analyzed: 04/13/21 18:14								
QC Source Sample: Non-SDG (A1D0350-01)												
Gasoline Range Organics	**376**	3.61	7.21	mg/kg dry	50	---	191	---	---	**65**	**30%**	Q-04
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 129 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*135 %*	*50-150 %*			*"*					
Duplicate (1040426-DUP2)				Prepared: 04/08/21 10:30 Analyzed: 04/13/21 19:08								
QC Source Sample: Non-SDG (A1D0350-03)												
Gasoline Range Organics	ND	19.2	19.2	mg/kg dry	50	---	ND	---	---	---	30%	
Surr: 4-Bromofluorobenzene (Sur)			*Recovery: 110 %*	*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*97 %*	*50-150 %*			*"*					

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							**Water**					
Blank (1040359-BLK1)			Prepared: 04/12/21 08:00		Analyzed: 04/12/21 11:47							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							**Water**					
Blank (1040359-BLK1)			Prepared: 04/12/21 08:00		Analyzed: 04/12/21 11:47							
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 101 %* *Limits: 80-120 %* *Dilution: 1x*

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B									Water			
Blank (1040359-BLK1)				Prepared: 04/12/21 08:00 Analyzed: 04/12/21 11:47								
Surr: Toluene-d8 (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*101 %*	*80-120 %*				*"*				
LCS (1040359-BS1)				Prepared: 04/12/21 08:00 Analyzed: 04/12/21 10:48								
EPA 8260D												
Acetone	36.4	10.0	20.0	ug/L	1	40.0	---	91	80-120%	---	---	
Acrylonitrile	19.7	1.00	2.00	ug/L	1	20.0	---	99	80-120%	---	---	
Benzene	18.6	0.100	0.200	ug/L	1	20.0	---	93	80-120%	---	---	
Bromobenzene	19.1	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Bromochloromethane	21.3	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
Bromodichloromethane	22.7	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
Bromoform	27.9	0.500	1.00	ug/L	1	20.0	---	**139**	**80-120%**	---	---	Q-56
Bromomethane	28.3	5.00	5.00	ug/L	1	20.0	---	**142**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	36.3	5.00	10.0	ug/L	1	40.0	---	91	80-120%	---	---	
n-Butylbenzene	20.1	0.500	1.00	ug/L	1	20.0	---	100	80-120%	---	---	
sec-Butylbenzene	19.7	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
tert-Butylbenzene	18.1	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
Carbon disulfide	18.2	5.00	10.0	ug/L	1	20.0	---	91	80-120%	---	---	
Carbon tetrachloride	25.2	0.500	1.00	ug/L	1	20.0	---	**126**	**80-120%**	---	---	Q-56
Chlorobenzene	19.2	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Chloroethane	23.1	5.00	5.00	ug/L	1	20.0	---	115	80-120%	---	---	
Chloroform	21.1	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
Chloromethane	15.0	5.00	5.00	ug/L	1	20.0	---	**75**	**80-120%**	---	---	Q-55
2-Chlorotoluene	18.7	0.500	1.00	ug/L	1	20.0	---	94	80-120%	---	---	
4-Chlorotoluene	18.6	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
Dibromochloromethane	22.6	0.500	1.00	ug/L	1	20.0	---	113	80-120%	---	---	
1,2-Dibromo-3-chloropropane	19.0	2.50	5.00	ug/L	1	20.0	---	95	80-120%	---	---	
1,2-Dibromoethane (EDB)	19.5	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Dibromomethane	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	
1,2-Dichlorobenzene	19.6	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
1,3-Dichlorobenzene	19.7	0.250	0.500	ug/L	1	20.0	---	99	80-120%	---	---	
1,4-Dichlorobenzene	19.3	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Dichlorodifluoromethane	21.5	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
1,1-Dichloroethane	18.6	0.200	0.400	ug/L	1	20.0	---	93	80-120%	---	---	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							**Water**					
LCS (1040359-BS1)			Prepared: 04/12/21 08:00		Analyzed: 04/12/21 10:48							
1,2-Dichloroethane (EDC)	20.8	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
1,1-Dichloroethene	18.6	0.200	0.400	ug/L	1	20.0	---	93	80-120%	---	---	
cis-1,2-Dichloroethene	19.3	0.200	0.400	ug/L	1	20.0	---	96	80-120%	---	---	
trans-1,2-Dichloroethene	19.6	0.200	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
1,2-Dichloropropane	18.7	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
1,3-Dichloropropane	19.1	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
2,2-Dichloropropane	17.2	0.500	1.00	ug/L	1	20.0	---	86	80-120%	---	---	
1,1-Dichloropropene	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
cis-1,3-Dichloropropene	19.3	0.500	1.00	ug/L	1	20.0	---	97	80-120%	---	---	
trans-1,3-Dichloropropene	19.3	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
Ethylbenzene	19.1	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
Hexachlorobutadiene	20.2	2.50	5.00	ug/L	1	20.0	---	101	80-120%	---	---	
2-Hexanone	36.1	5.00	10.0	ug/L	1	40.0	---	90	80-120%	---	---	
Isopropylbenzene	20.7	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	
4-Isopropyltoluene	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
Methylene chloride	19.9	5.00	10.0	ug/L	1	20.0	---	99	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	36.7	5.00	10.0	ug/L	1	40.0	---	92	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	17.5	0.500	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
Naphthalene	20.0	2.00	4.00	ug/L	1	20.0	---	100	80-120%	---	---	
n-Propylbenzene	18.9	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Styrene	20.5	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,1,1,2-Tetrachloroethane	21.9	0.200	0.400	ug/L	1	20.0	---	110	80-120%	---	---	
1,1,2,2-Tetrachloroethane	19.0	0.250	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Tetrachloroethene (PCE)	19.7	0.200	0.400	ug/L	1	20.0	---	98	80-120%	---	---	
Toluene	17.7	0.500	1.00	ug/L	1	20.0	---	88	80-120%	---	---	
1,2,3-Trichlorobenzene	24.8	1.00	2.00	ug/L	1	20.0	---	**124**	**80-120%**	---	---	Q-56
1,2,4-Trichlorobenzene	25.2	1.00	2.00	ug/L	1	20.0	---	**126**	**80-120%**	---	---	Q-56
1,1,1-Trichloroethane	20.6	0.200	0.400	ug/L	1	20.0	---	103	80-120%	---	---	
1,1,2-Trichloroethane	20.2	0.250	0.500	ug/L	1	20.0	---	101	80-120%	---	---	
Trichloroethene (TCE)	20.9	0.200	0.400	ug/L	1	20.0	---	104	80-120%	---	---	
Trichlorofluoromethane	24.2	1.00	2.00	ug/L	1	20.0	---	**121**	**80-120%**	---	---	Q-56
1,2,3-Trichloropropane	19.0	0.500	1.00	ug/L	1	20.0	---	95	80-120%	---	---	
1,2,4-Trimethylbenzene	20.6	0.500	1.00	ug/L	1	20.0	---	103	80-120%	---	---	
1,3,5-Trimethylbenzene	20.9	0.500	1.00	ug/L	1	20.0	---	104	80-120%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B												**Water**
LCS (1040359-BS1)			Prepared: 04/12/21 08:00 Analyzed: 04/12/21 10:48									
Vinyl chloride	20.0	0.200	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
m,p-Xylene	38.4	0.500	1.00	ug/L	1	40.0	---	96	80-120%	---	---	
o-Xylene	19.0	0.250	0.500	ug/L	1	20.0	---	95	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*95 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*				*"*			
Duplicate (1040359-DUP1)			Prepared: 04/12/21 09:00 Analyzed: 04/12/21 13:35									
QC Source Sample: GP01-GW-15 (A1D0263-10)												
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							Water					
Duplicate (1040359-DUP1)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 13:35							
QC Source Sample: GP01-GW-15 (A1D0263-10)												
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	2.00	4.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B											Water	
Duplicate (1040359-DUP1)				Prepared: 04/12/21 09:00 Analyzed: 04/12/21 13:35								
QC Source Sample: GP01-GW-15 (A1D0263-10)												
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*98 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*100 %*	*80-120 %*			*"*					
Duplicate (1040359-DUP2)				Prepared: 04/12/21 09:00 Analyzed: 04/12/21 20:47								
QC Source Sample: Non-SDG (A1D0350-08)												
Acetone	**29.0**	10.0	20.0	ug/L	1	---	23.2	---	---	23	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	**0.584**	0.100	0.200	ug/L	1	---	0.603	---	---	3	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	

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3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							**Water**					
Duplicate (1040359-DUP2)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 20:47							
QC Source Sample: Non-SDG (A1D0350-08)												
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	0.277	---	---	***	**30%**	Q-05
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	**1.31**	0.500	1.00	ug/L	1	---	1.30	---	---	0.2	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	**6.34**	5.00	10.0	ug/L	1	---	6.16	---	---	3	30%	J
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	2.00	4.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	

Apex Laboratories

Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							**Water**					
Duplicate (1040359-DUP2)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 20:47							
QC Source Sample: Non-SDG (A1D0350-08)												
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Toluene	**6.60**	0.500	1.00	ug/L	1	---	6.67	---	---	0.9	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	**0.721**	0.500	1.00	ug/L	1	---	0.749	---	---	4	30%	J
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*98 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*99 %*		*80-120 %*		*"*					
Matrix Spike (1040359-MS1)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 14:29							
QC Source Sample: GP03-GW-15 (A1D0263-13)												
EPA 8260D												
Acetone	41.5	10.0	20.0	ug/L	1	40.0	ND	104	39-160%	---	---	
Acrylonitrile	19.8	1.00	2.00	ug/L	1	20.0	ND	99	63-135%	---	---	
Benzene	20.1	0.100	0.200	ug/L	1	20.0	ND	100	79-120%	---	---	
Bromobenzene	19.8	0.250	0.500	ug/L	1	20.0	ND	99	80-120%	---	---	
Bromochloromethane	22.8	0.500	1.00	ug/L	1	20.0	ND	114	78-123%	---	---	
Bromodichloromethane	23.6	0.500	1.00	ug/L	1	20.0	ND	118	79-125%	---	---	
Bromoform	28.7	0.500	1.00	ug/L	1	20.0	ND	**144**	**66-130%**	---	---	Q-54b
Bromomethane	30.4	5.00	5.00	ug/L	1	20.0	ND	**152**	**53-141%**	---	---	Q-54c
2-Butanone (MEK)	37.7	5.00	10.0	ug/L	1	40.0	ND	94	56-143%	---	---	
n-Butylbenzene	22.8	0.500	1.00	ug/L	1	20.0	0.595	111	75-128%	---	---	
sec-Butylbenzene	20.7	0.500	1.00	ug/L	1	20.0	ND	103	77-126%	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							**Water**					
Matrix Spike (1040359-MS1)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 14:29							
QC Source Sample: GP03-GW-15 (A1D0263-13)												
tert-Butylbenzene	18.7	0.500	1.00	ug/L	1	20.0	ND	94	78-124%	---	---	
Carbon disulfide	19.4	5.00	10.0	ug/L	1	20.0	ND	97	64-133%	---	---	
Carbon tetrachloride	26.9	0.500	1.00	ug/L	1	20.0	ND	134	72-136%	---	---	Q-54a
Chlorobenzene	20.9	0.250	0.500	ug/L	1	20.0	ND	105	80-120%	---	---	
Chloroethane	26.8	5.00	5.00	ug/L	1	20.0	ND	134	60-138%	---	---	
Chloroform	22.1	0.500	1.00	ug/L	1	20.0	ND	110	79-124%	---	---	
Chloromethane	15.7	5.00	5.00	ug/L	1	20.0	ND	79	50-139%	---	---	Q-54k
2-Chlorotoluene	20.5	0.500	1.00	ug/L	1	20.0	ND	103	79-122%	---	---	
4-Chlorotoluene	19.3	0.500	1.00	ug/L	1	20.0	ND	96	78-122%	---	---	
Dibromochloromethane	23.5	0.500	1.00	ug/L	1	20.0	ND	118	74-126%	---	---	
1,2-Dibromo-3-chloropropane	20.0	2.50	5.00	ug/L	1	20.0	ND	100	62-128%	---	---	
1,2-Dibromoethane (EDB)	20.7	0.250	0.500	ug/L	1	20.0	ND	104	77-121%	---	---	
Dibromomethane	22.0	0.500	1.00	ug/L	1	20.0	ND	110	79-123%	---	---	
1,2-Dichlorobenzene	21.1	0.250	0.500	ug/L	1	20.0	ND	105	80-120%	---	---	
1,3-Dichlorobenzene	21.0	0.250	0.500	ug/L	1	20.0	ND	105	80-120%	---	---	
1,4-Dichlorobenzene	20.6	0.250	0.500	ug/L	1	20.0	ND	103	79-120%	---	---	
Dichlorodifluoromethane	21.8	0.500	1.00	ug/L	1	20.0	ND	109	32-152%	---	---	
1,1-Dichloroethane	19.5	0.200	0.400	ug/L	1	20.0	ND	97	77-125%	---	---	
1,2-Dichloroethane (EDC)	21.1	0.200	0.400	ug/L	1	20.0	ND	105	73-128%	---	---	
1,1-Dichloroethene	19.9	0.200	0.400	ug/L	1	20.0	ND	99	71-131%	---	---	
cis-1,2-Dichloroethene	20.2	0.200	0.400	ug/L	1	20.0	ND	101	78-123%	---	---	
trans-1,2-Dichloroethene	21.0	0.200	0.400	ug/L	1	20.0	ND	105	75-124%	---	---	
1,2-Dichloropropane	19.9	0.250	0.500	ug/L	1	20.0	ND	100	78-122%	---	---	
1,3-Dichloropropane	20.4	0.500	1.00	ug/L	1	20.0	ND	102	80-120%	---	---	
2,2-Dichloropropane	19.6	0.500	1.00	ug/L	1	20.0	ND	98	60-139%	---	---	
1,1-Dichloropropene	22.1	0.500	1.00	ug/L	1	20.0	ND	110	79-125%	---	---	
cis-1,3-Dichloropropene	19.5	0.500	1.00	ug/L	1	20.0	ND	98	75-124%	---	---	
trans-1,3-Dichloropropene	20.1	0.500	1.00	ug/L	1	20.0	ND	100	73-127%	---	---	
Ethylbenzene	21.2	0.250	0.500	ug/L	1	20.0	0.460	104	79-121%	---	---	
Hexachlorobutadiene	21.0	2.50	5.00	ug/L	1	20.0	ND	105	66-134%	---	---	
2-Hexanone	37.0	5.00	10.0	ug/L	1	40.0	ND	93	57-139%	---	---	
Isopropylbenzene	22.5	0.500	1.00	ug/L	1	20.0	ND	113	72-131%	---	---	
4-Isopropyltoluene	23.1	0.500	1.00	ug/L	1	20.0	ND	115	77-127%	---	---	

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Philip Nerenberg, Lab Director

APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040359 - EPA 5030B							**Water**					
Matrix Spike (1040359-MS1)			Prepared: 04/12/21 09:00		Analyzed: 04/12/21 14:29							
QC Source Sample: GP03-GW-15 (A1D0263-13)												
Methylene chloride	20.5	5.00	10.0	ug/L	1	20.0	ND	102	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	37.5	5.00	10.0	ug/L	1	40.0	ND	94	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	18.1	0.500	1.00	ug/L	1	20.0	ND	90	71-124%	---	---	
Naphthalene	59.7	2.00	4.00	ug/L	1	20.0	32.2	**137**	**61-128%**	---	---	Q-01
n-Propylbenzene	20.2	0.250	0.500	ug/L	1	20.0	0.365	99	76-126%	---	---	
Styrene	21.2	0.500	1.00	ug/L	1	20.0	ND	106	78-123%	---	---	
1,1,1,2-Tetrachloroethane	23.2	0.200	0.400	ug/L	1	20.0	ND	116	78-124%	---	---	
1,1,2,2-Tetrachloroethane	19.0	0.250	0.500	ug/L	1	20.0	ND	95	71-121%	---	---	
Tetrachloroethene (PCE)	22.8	0.200	0.400	ug/L	1	20.0	ND	114	74-129%	---	---	
Toluene	20.0	0.500	1.00	ug/L	1	20.0	0.583	97	80-121%	---	---	
1,2,3-Trichlorobenzene	36.3	1.00	2.00	ug/L	1	20.0	ND	**181**	**69-129%**	---	---	Q-54e
1,2,4-Trichlorobenzene	35.2	1.00	2.00	ug/L	1	20.0	ND	**176**	**69-130%**	---	---	Q-54h
1,1,1-Trichloroethane	22.4	0.200	0.400	ug/L	1	20.0	ND	112	74-131%	---	---	
1,1,2-Trichloroethane	20.8	0.250	0.500	ug/L	1	20.0	ND	104	80-120%	---	---	
Trichloroethene (TCE)	22.9	0.200	0.400	ug/L	1	20.0	ND	115	79-123%	---	---	
Trichlorofluoromethane	26.7	1.00	2.00	ug/L	1	20.0	ND	134	65-141%	---	---	Q-54
1,2,3-Trichloropropane	19.1	0.500	1.00	ug/L	1	20.0	ND	95	73-122%	---	---	
1,2,4-Trimethylbenzene	29.4	0.500	1.00	ug/L	1	20.0	6.51	115	76-124%	---	---	
1,3,5-Trimethylbenzene	24.5	0.500	1.00	ug/L	1	20.0	1.93	113	75-124%	---	---	
Vinyl chloride	21.8	0.200	0.400	ug/L	1	20.0	ND	109	58-137%	---	---	
m,p-Xylene	45.5	0.500	1.00	ug/L	1	40.0	2.37	108	80-121%	---	---	
o-Xylene	21.7	0.250	0.500	ug/L	1	20.0	1.02	103	78-122%	---	---	

Surr: 1,4-Difluorobenzene (Surr)	*Recovery: 101 %*	*Limits: 80-120 %*	*Dilution: 1x*	
Toluene-d8 (Surr)	*94 %*	*80-120 %*	*"*	
4-Bromofluorobenzene (Surr)	*93 %*	*80-120 %*	*"*	

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Philip Nerenberg, Lab Director

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Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Blank (1040368-BLK1)			Prepared: 04/12/21 09:00 Analyzed: 04/12/21 11:30									
5035A/8260D												
Acetone	ND	333	667	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							Soil					
Blank (1040368-BLK1)			Prepared: 04/12/21 09:00 Analyzed: 04/12/21 11:30									
1,2-Dichloropropane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 100 %* *Limits: 80-120 %* *Dilution: 1x*

Apex Laboratories

Philip Nerenberg, Lab Director

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APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Blank (1040368-BLK1)				Prepared: 04/12/21 09:00 Analyzed: 04/12/21 11:30								
Surr: Toluene-d8 (Surr)			*Recovery: 104 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*			*"*					
LCS (1040368-BS1)				Prepared: 04/12/21 09:00 Analyzed: 04/12/21 10:36								
5035A/8260D												
Acetone	1940	500	1000	ug/kg wet	50	2000	---	97	80-120%	---	---	
Acrylonitrile	1120	50.0	100	ug/kg wet	50	1000	---	112	80-120%	---	---	
Benzene	1010	5.00	10.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Bromobenzene	999	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Bromochloromethane	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Bromodichloromethane	910	25.0	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
Bromoform	922	50.0	100	ug/kg wet	50	1000	---	92	80-120%	---	---	
Bromomethane	1010	500	500	ug/kg wet	50	1000	---	101	80-120%	---	---	
2-Butanone (MEK)	2170	250	500	ug/kg wet	50	2000	---	108	80-120%	---	---	
n-Butylbenzene	1050	25.0	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
sec-Butylbenzene	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
tert-Butylbenzene	966	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Carbon disulfide	977	250	500	ug/kg wet	50	1000	---	98	80-120%	---	---	
Carbon tetrachloride	971	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Chlorobenzene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Chloroethane	877	250	500	ug/kg wet	50	1000	---	88	80-120%	---	---	
Chloroform	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Chloromethane	909	125	250	ug/kg wet	50	1000	---	91	80-120%	---	---	
2-Chlorotoluene	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
4-Chlorotoluene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Dibromochloromethane	880	50.0	100	ug/kg wet	50	1000	---	88	80-120%	---	---	
1,2-Dibromo-3-chloropropane	832	125	250	ug/kg wet	50	1000	---	83	80-120%	---	---	
1,2-Dibromoethane (EDB)	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Dibromomethane	1070	25.0	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,2-Dichlorobenzene	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,3-Dichlorobenzene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,4-Dichlorobenzene	970	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Dichlorodifluoromethane	948	50.0	100	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,1-Dichloroethane	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
LCS (1040368-BS1)			Prepared: 04/12/21 09:00 Analyzed: 04/12/21 10:36									
1,2-Dichloroethane (EDC)	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1-Dichloroethene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
cis-1,2-Dichloroethene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
trans-1,2-Dichloroethene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
1,2-Dichloropropane	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,3-Dichloropropane	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
2,2-Dichloropropane	1120	25.0	50.0	ug/kg wet	50	1000	---	112	80-120%	---	---	
1,1-Dichloropropene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
cis-1,3-Dichloropropene	984	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
trans-1,3-Dichloropropene	974	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Ethylbenzene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Hexachlorobutadiene	1060	50.0	100	ug/kg wet	50	1000	---	106	80-120%	---	---	
2-Hexanone	2130	250	500	ug/kg wet	50	2000	---	107	80-120%	---	---	
Isopropylbenzene	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
4-Isopropyltoluene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Methylene chloride	959	250	500	ug/kg wet	50	1000	---	96	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2120	250	500	ug/kg wet	50	2000	---	106	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Naphthalene	1120	50.0	100	ug/kg wet	50	1000	---	112	80-120%	---	---	
n-Propylbenzene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Styrene	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Tetrachloroethene (PCE)	1110	12.5	25.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
Toluene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,2,3-Trichlorobenzene	1130	125	250	ug/kg wet	50	1000	---	113	80-120%	---	---	
1,2,4-Trichlorobenzene	1070	125	250	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,1,1-Trichloroethane	980	12.5	25.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,1,2-Trichloroethane	1100	12.5	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Trichloroethene (TCE)	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Trichlorofluoromethane	912	50.0	100	ug/kg wet	50	1000	---	91	80-120%	---	---	
1,2,3-Trichloropropane	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,2,4-Trimethylbenzene	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,3,5-Trimethylbenzene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
LCS (1040368-BS1)			Prepared: 04/12/21 09:00 Analyzed: 04/12/21 10:36									
Vinyl chloride	948	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
m,p-Xylene	2050	25.0	50.0	ug/kg wet	50	2000	---	103	80-120%	---	---	
o-Xylene	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*							*Dilution: 1x*
Toluene-d8 (Surr)			*105 %*		*80-120 %*							*"*
4-Bromofluorobenzene (Surr)			*100 %*		*79-120 %*							*"*
Duplicate (1040368-DUP1)			Prepared: 04/06/21 12:50 Analyzed: 04/12/21 12:51									
QC Source Sample: GP01-S-5.5 (A1D0263-01)												
5035A/8260D												
Acetone	ND	667	1330	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	66.7	133	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	6.67	13.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	66.7	133	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	667	667	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	334	667	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	334	667	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	334	667	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	167	334	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	66.7	133	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	167	334	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Duplicate (1040368-DUP1)				Prepared: 04/06/21 12:50 Analyzed: 04/12/21 12:51								
QC Source Sample: GP01-S-5.5 (A1D0263-01)												
1,2-Dichlorobenzene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	66.7	133	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	66.7	133	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	334	667	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	334	667	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	334	667	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	66.7	133	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	167	334	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	167	334	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	

Apex Laboratories

Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Duplicate (1040368-DUP1)			Prepared: 04/06/21 12:50 Analyzed: 04/12/21 12:51									
QC Source Sample: GP01-S-5.5 (A1D0263-01)												
1,1,2-Trichloroethane	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	66.7	133	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	33.4	66.7	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	16.7	33.4	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*100 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*		*"*					
Duplicate (1040368-DUP2)			Prepared: 04/07/21 09:15 Analyzed: 04/12/21 13:45									
QC Source Sample: GP02-S-8 (A1D0263-02)												
5035A/8260D												
Acetone	ND	663	1330	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	66.3	133	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	6.63	13.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	66.3	133	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	663	663	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	332	663	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	332	663	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	332	663	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Duplicate (1040368-DUP2)				Prepared: 04/07/21 09:15		Analyzed: 04/12/21 13:45						
QC Source Sample: GP02-S-8 (A1D0263-02)												
Chloromethane	ND	166	332	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	66.3	133	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	166	332	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	66.3	133	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	66.3	133	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	332	663	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	332	663	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	332	663	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	66.3	133	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Duplicate (1040368-DUP2)			Prepared: 04/07/21 09:15		Analyzed: 04/12/21 13:45							
QC Source Sample: GP02-S-8 (A1D0263-02)												
1,1,1,2-Tetrachloroethane	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	166	332	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	166	332	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	66.3	133	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	33.2	66.3	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	16.6	33.2	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*101 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*		*"*					
Matrix Spike (1040368-MS1)			Prepared: 04/06/21 15:35		Analyzed: 04/12/21 17:47							
QC Source Sample: GP06-S-7.5-DUP (A1D0263-07)												
Acetone	3160	787	1570	ug/kg dry	50	3150	ND	100	36-164%	---	---	
Acrylonitrile	1730	78.7	157	ug/kg dry	50	1580	ND	110	65-134%	---	---	
Benzene	1580	7.87	15.7	ug/kg dry	50	1580	ND	100	77-121%	---	---	
Bromobenzene	1570	19.7	39.4	ug/kg dry	50	1580	ND	100	78-121%	---	---	
Bromochloromethane	1670	39.4	78.7	ug/kg dry	50	1580	ND	106	78-125%	---	---	
Bromodichloromethane	1440	39.4	78.7	ug/kg dry	50	1580	ND	91	75-127%	---	---	
Bromoform	1430	78.7	157	ug/kg dry	50	1580	ND	90	67-132%	---	---	
Bromomethane	1720	787	787	ug/kg dry	50	1580	ND	109	53-143%	---	---	
2-Butanone (MEK)	3430	394	787	ug/kg dry	50	3150	ND	109	51-148%	---	---	
n-Butylbenzene	1620	39.4	78.7	ug/kg dry	50	1580	ND	103	70-128%	---	---	
sec-Butylbenzene	1560	39.4	78.7	ug/kg dry	50	1580	ND	99	73-126%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Matrix Spike (1040368-MS1)			Prepared: 04/06/21 15:35		Analyzed: 04/12/21 17:47							
QC Source Sample: GP06-S-7.5-DUP (A1D0263-07)												
tert-Butylbenzene	1500	39.4	78.7	ug/kg dry	50	1580	ND	95	73-125%	---	---	
Carbon disulfide	1460	394	787	ug/kg dry	50	1580	ND	93	63-132%	---	---	
Carbon tetrachloride	1570	39.4	78.7	ug/kg dry	50	1580	ND	99	70-135%	---	---	
Chlorobenzene	1580	19.7	39.4	ug/kg dry	50	1580	ND	100	79-120%	---	---	
Chloroethane	1480	394	787	ug/kg dry	50	1580	ND	94	59-139%	---	---	
Chloroform	1590	39.4	78.7	ug/kg dry	50	1580	ND	101	78-123%	---	---	
Chloromethane	1500	197	394	ug/kg dry	50	1580	ND	95	50-136%	---	---	
2-Chlorotoluene	1650	39.4	78.7	ug/kg dry	50	1580	ND	105	75-122%	---	---	
4-Chlorotoluene	1580	39.4	78.7	ug/kg dry	50	1580	ND	100	72-124%	---	---	
Dibromochloromethane	1360	78.7	157	ug/kg dry	50	1580	ND	86	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1230	197	394	ug/kg dry	50	1580	ND	78	61-132%	---	---	
1,2-Dibromoethane (EDB)	1630	39.4	78.7	ug/kg dry	50	1580	ND	104	78-122%	---	---	
Dibromomethane	1610	39.4	78.7	ug/kg dry	50	1580	ND	102	78-125%	---	---	
1,2-Dichlorobenzene	1610	19.7	39.4	ug/kg dry	50	1580	ND	102	78-121%	---	---	
1,3-Dichlorobenzene	1610	19.7	39.4	ug/kg dry	50	1580	ND	102	77-121%	---	---	
1,4-Dichlorobenzene	1490	19.7	39.4	ug/kg dry	50	1580	ND	95	75-120%	---	---	
Dichlorodifluoromethane	1490	78.7	157	ug/kg dry	50	1580	ND	95	29-149%	---	---	
1,1-Dichloroethane	1630	19.7	39.4	ug/kg dry	50	1580	ND	103	76-125%	---	---	
1,2-Dichloroethane (EDC)	1640	19.7	39.4	ug/kg dry	50	1580	ND	104	73-128%	---	---	
1,1-Dichloroethene	1610	19.7	39.4	ug/kg dry	50	1580	ND	102	70-131%	---	---	
cis-1,2-Dichloroethene	1650	19.7	39.4	ug/kg dry	50	1580	ND	105	77-123%	---	---	
trans-1,2-Dichloroethene	1600	19.7	39.4	ug/kg dry	50	1580	ND	101	74-125%	---	---	
1,2-Dichloropropane	1630	19.7	39.4	ug/kg dry	50	1580	ND	104	76-123%	---	---	
1,3-Dichloropropane	1670	39.4	78.7	ug/kg dry	50	1580	ND	106	77-121%	---	---	
2,2-Dichloropropane	1490	39.4	78.7	ug/kg dry	50	1580	ND	94	67-133%	---	---	
1,1-Dichloropropene	1600	39.4	78.7	ug/kg dry	50	1580	ND	102	76-125%	---	---	
cis-1,3-Dichloropropene	1440	39.4	78.7	ug/kg dry	50	1580	ND	91	74-126%	---	---	
trans-1,3-Dichloropropene	1380	39.4	78.7	ug/kg dry	50	1580	ND	88	71-130%	---	---	
Ethylbenzene	1560	19.7	39.4	ug/kg dry	50	1580	ND	99	76-122%	---	---	
Hexachlorobutadiene	1500	78.7	157	ug/kg dry	50	1580	ND	95	61-135%	---	---	
2-Hexanone	3170	394	787	ug/kg dry	50	3150	ND	100	53-145%	---	---	
Isopropylbenzene	1550	39.4	78.7	ug/kg dry	50	1580	ND	98	68-134%	---	---	
4-Isopropyltoluene	1580	39.4	78.7	ug/kg dry	50	1580	ND	100	73-127%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040368 - EPA 5035A							**Soil**					
Matrix Spike (1040368-MS1)			Prepared: 04/06/21 15:35 Analyzed: 04/12/21 17:47									
QC Source Sample: GP06-S-7.5-DUP (A1D0263-07)												
Methylene chloride	1470	394	787	ug/kg dry	50	1580	ND	94	70-128%	---	---	
4-Methyl-2-pentanone (MiBK)	3220	394	787	ug/kg dry	50	3150	ND	102	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1570	39.4	78.7	ug/kg dry	50	1580	ND	100	73-125%	---	---	
Naphthalene	1610	78.7	157	ug/kg dry	50	1580	ND	102	62-129%	---	---	
n-Propylbenzene	1610	19.7	39.4	ug/kg dry	50	1580	ND	102	73-125%	---	---	
Styrene	1660	39.4	78.7	ug/kg dry	50	1580	ND	105	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1570	19.7	39.4	ug/kg dry	50	1580	ND	99	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1650	39.4	78.7	ug/kg dry	50	1580	ND	104	70-124%	---	---	
Tetrachloroethene (PCE)	1620	19.7	39.4	ug/kg dry	50	1580	ND	102	73-128%	---	---	
Toluene	1540	39.4	78.7	ug/kg dry	50	1580	ND	97	77-121%	---	---	
1,2,3-Trichlorobenzene	1650	197	394	ug/kg dry	50	1580	ND	104	66-130%	---	---	
1,2,4-Trichlorobenzene	1590	197	394	ug/kg dry	50	1580	ND	101	67-129%	---	---	
1,1,1-Trichloroethane	1530	19.7	39.4	ug/kg dry	50	1580	ND	97	73-130%	---	---	
1,1,2-Trichloroethane	1660	19.7	39.4	ug/kg dry	50	1580	ND	105	78-121%	---	---	
Trichloroethene (TCE)	1600	19.7	39.4	ug/kg dry	50	1580	ND	101	77-123%	---	---	
Trichlorofluoromethane	1520	78.7	157	ug/kg dry	50	1580	ND	97	62-140%	---	---	
1,2,3-Trichloropropane	1670	39.4	78.7	ug/kg dry	50	1580	ND	106	73-125%	---	---	
1,2,4-Trimethylbenzene	1660	39.4	78.7	ug/kg dry	50	1580	ND	105	75-123%	---	---	
1,3,5-Trimethylbenzene	1650	39.4	78.7	ug/kg dry	50	1580	ND	105	73-124%	---	---	
Vinyl chloride	1550	19.7	39.4	ug/kg dry	50	1580	ND	98	56-135%	---	---	
m,p-Xylene	3130	39.4	78.7	ug/kg dry	50	3150	ND	99	77-124%	---	---	
o-Xylene	1590	19.7	39.4	ug/kg dry	50	1580	ND	101	77-123%	---	---	

Surr: 1,4-Difluorobenzene (Surr)	*Recovery: 100 %*	*Limits: 80-120 %*	*Dilution: 1x*
Toluene-d8 (Surr)	*102 %*	*80-120 %*	*"*
4-Bromofluorobenzene (Surr)	*99 %*	*79-120 %*	*"*

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Philip Nerenberg, Lab Director

APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Blank (1040426-BLK1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 11:57									
5035A/8260D												
Acetone	ND	333	667	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	66.7	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Blank (1040426-BLK1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 11:57									
1,2-Dichloropropane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*	*Limits: 80-120 %*			*Dilution: 1x*					

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Blank (1040426-BLK1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 11:57									
Surr: Toluene-d8 (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*				*Dilution: 1x*				
4-Bromofluorobenzene (Surr)			*101 %*	*79-120 %*				*"*				
LCS (1040426-BS1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 10:36									
5035A/8260D												
Acetone	1980	500	1000	ug/kg wet	50	2000	---	99	80-120%	---	---	
Acrylonitrile	1140	50.0	100	ug/kg wet	50	1000	---	114	80-120%	---	---	
Benzene	1040	5.00	10.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Bromobenzene	994	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Bromochloromethane	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Bromodichloromethane	956	25.0	50.0	ug/kg wet	50	1000	---	96	80-120%	---	---	
Bromoform	986	50.0	100	ug/kg wet	50	1000	---	99	80-120%	---	---	
Bromomethane	1070	500	500	ug/kg wet	50	1000	---	107	80-120%	---	---	
2-Butanone (MEK)	2230	250	500	ug/kg wet	50	2000	---	111	80-120%	---	---	
n-Butylbenzene	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
sec-Butylbenzene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
tert-Butylbenzene	989	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Carbon disulfide	906	250	500	ug/kg wet	50	1000	---	91	80-120%	---	---	
Carbon tetrachloride	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
Chlorobenzene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Chloroethane	944	250	500	ug/kg wet	50	1000	---	94	80-120%	---	---	
Chloroform	1050	25.0	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Chloromethane	894	125	250	ug/kg wet	50	1000	---	89	80-120%	---	---	
2-Chlorotoluene	1070	25.0	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
4-Chlorotoluene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Dibromochloromethane	927	50.0	100	ug/kg wet	50	1000	---	93	80-120%	---	---	
1,2-Dibromo-3-chloropropane	843	125	250	ug/kg wet	50	1000	---	84	80-120%	---	---	
1,2-Dibromoethane (EDB)	1050	25.0	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Dibromomethane	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,2-Dichlorobenzene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,3-Dichlorobenzene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,4-Dichlorobenzene	986	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Dichlorodifluoromethane	787	100	100	ug/kg wet	50	1000	---	**79**	**80-120%**	---	---	Q-55
1,1-Dichloroethane	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
LCS (1040426-BS1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 10:36									
1,2-Dichloroethane (EDC)	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,1-Dichloroethene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
cis-1,2-Dichloroethene	1090	12.5	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
trans-1,2-Dichloroethene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,2-Dichloropropane	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,3-Dichloropropane	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
2,2-Dichloropropane	1110	25.0	50.0	ug/kg wet	50	1000	---	111	80-120%	---	---	
1,1-Dichloropropene	1050	25.0	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
cis-1,3-Dichloropropene	971	25.0	50.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
trans-1,3-Dichloropropene	935	25.0	50.0	ug/kg wet	50	1000	---	93	80-120%	---	---	
Ethylbenzene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Hexachlorobutadiene	1020	50.0	100	ug/kg wet	50	1000	---	102	80-120%	---	---	
2-Hexanone	2160	250	500	ug/kg wet	50	2000	---	108	80-120%	---	---	
Isopropylbenzene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
4-Isopropyltoluene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Methylene chloride	949	250	500	ug/kg wet	50	1000	---	95	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2120	250	500	ug/kg wet	50	2000	---	106	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Naphthalene	1040	50.0	100	ug/kg wet	50	1000	---	104	80-120%	---	---	
n-Propylbenzene	1060	12.5	25.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
Styrene	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
Tetrachloroethene (PCE)	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Toluene	1000	25.0	50.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
1,2,3-Trichlorobenzene	1070	125	250	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,2,4-Trichlorobenzene	1040	125	250	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,1,1-Trichloroethane	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,1,2-Trichloroethane	1070	12.5	25.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
Trichloroethene (TCE)	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Trichlorofluoromethane	971	50.0	100	ug/kg wet	50	1000	---	97	80-120%	---	---	
1,2,3-Trichloropropane	1070	25.0	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,2,4-Trimethylbenzene	1090	25.0	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,3,5-Trimethylbenzene	1080	25.0	50.0	ug/kg wet	50	1000	---	108	80-120%	---	---	

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Philip Nerenberg, Lab Director

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APEX LABORATORIES

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
LCS (1040426-BS1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 10:36									
Vinyl chloride	950	12.5	25.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
m,p-Xylene	2070	25.0	50.0	ug/kg wet	50	2000	---	103	80-120%	---	---	
o-Xylene	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*103 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*98 %*		*79-120 %*				*"*			
Duplicate (1040426-DUP1)			Prepared: 04/08/21 09:05 Analyzed: 04/13/21 18:14									
QC Source Sample: Non-SDG (A1D0350-01)												
Acetone	ND	721	1440	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	180	180	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Benzene	ND	7.21	14.4	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	361	361	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Bromoform	ND	72.1	144	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	721	721	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	361	721	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	361	721	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	433	433	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Chloroethane	ND	361	721	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	180	361	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	72.1	144	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	180	361	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Duplicate (1040426-DUP1)			Prepared: 04/08/21 09:05		Analyzed: 04/13/21 18:14							
QC Source Sample: Non-SDG (A1D0350-01)												
1,3-Dichlorobenzene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	144	144	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	72.1	144	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	4490	4490	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Isopropylbenzene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	361	721	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	865	865	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Methyl tert-butyl ether (MTBE)	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	72.1	144	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	288	288	ug/kg dry	50	---	ND	---	---	---	30%	R-02
Tetrachloroethene (PCE)	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	180	361	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	180	361	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Duplicate (1040426-DUP1)			Prepared: 04/08/21 09:05 Analyzed: 04/13/21 18:14									
QC Source Sample: Non-SDG (A1D0350-01)												
Trichloroethene (TCE)	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	72.1	144	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	36.1	72.1	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	18.0	36.1	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*96 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*105 %*	*79-120 %*			*"*					
Duplicate (1040426-DUP2)			Prepared: 04/08/21 10:30 Analyzed: 04/13/21 19:08									
QC Source Sample: Non-SDG (A1D0350-03)												
Acetone	ND	767	1530	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	76.7	153	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	7.67	15.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	76.7	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	76.7	153	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	767	767	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	383	767	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	383	767	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	383	767	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	192	383	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Duplicate (1040426-DUP2)				Prepared: 04/08/21 10:30 Analyzed: 04/13/21 19:08								
QC Source Sample: Non-SDG (A1D0350-03)												
4-Chlorotoluene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	76.7	153	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	192	383	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	153	153	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	76.7	153	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	383	767	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	383	767	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	383	767	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	76.7	153	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Duplicate (1040426-DUP2)			Prepared: 04/08/21 10:30 Analyzed: 04/13/21 19:08									
QC Source Sample: Non-SDG (A1D0350-03)												
Tetrachloroethene (PCE)	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	192	383	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	192	383	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	76.7	153	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	38.3	76.7	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	19.2	38.3	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*99 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*				*"*			
Matrix Spike (1040426-MS1)			Prepared: 04/08/21 14:00 Analyzed: 04/13/21 20:56									
QC Source Sample: Non-SDG (A1D0350-09)												
5035A/8260D												
Acetone	3140	814	1630	ug/kg dry	50	3250	ND	97	36-164%	---	---	
Acrylonitrile	1760	81.4	163	ug/kg dry	50	1630	ND	108	65-134%	---	---	
Benzene	1600	8.14	16.3	ug/kg dry	50	1630	ND	98	77-121%	---	---	
Bromobenzene	1560	20.4	40.7	ug/kg dry	50	1630	ND	96	78-121%	---	---	
Bromochloromethane	1730	40.7	81.4	ug/kg dry	50	1630	ND	107	78-125%	---	---	
Bromodichloromethane	1480	40.7	81.4	ug/kg dry	50	1630	ND	91	75-127%	---	---	
Bromoform	1560	81.4	163	ug/kg dry	50	1630	ND	96	67-132%	---	---	
Bromomethane	1650	814	814	ug/kg dry	50	1630	ND	101	53-143%	---	---	
2-Butanone (MEK)	3420	407	814	ug/kg dry	50	3250	ND	105	51-148%	---	---	
n-Butylbenzene	1640	40.7	81.4	ug/kg dry	50	1630	ND	101	70-128%	---	---	
sec-Butylbenzene	1600	40.7	81.4	ug/kg dry	50	1630	ND	98	73-126%	---	---	
tert-Butylbenzene	1510	40.7	81.4	ug/kg dry	50	1630	ND	93	73-125%	---	---	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Matrix Spike (1040426-MS1)			Prepared: 04/08/21 14:00		Analyzed: 04/13/21 20:56							
QC Source Sample: Non-SDG (A1D0350-09)												
Carbon disulfide	1320	407	814	ug/kg dry	50	1630	ND	81	63-132%	---	---	
Carbon tetrachloride	1650	40.7	81.4	ug/kg dry	50	1630	ND	101	70-135%	---	---	
Chlorobenzene	1610	20.4	40.7	ug/kg dry	50	1630	ND	99	79-120%	---	---	
Chloroethane	1480	407	814	ug/kg dry	50	1630	ND	91	59-139%	---	---	
Chloroform	1590	40.7	81.4	ug/kg dry	50	1630	ND	98	78-123%	---	---	
Chloromethane	1370	204	407	ug/kg dry	50	1630	ND	84	50-136%	---	---	
2-Chlorotoluene	1670	40.7	81.4	ug/kg dry	50	1630	ND	103	75-122%	---	---	
4-Chlorotoluene	1630	40.7	81.4	ug/kg dry	50	1630	ND	100	72-124%	---	---	
Dibromochloromethane	1500	81.4	163	ug/kg dry	50	1630	ND	92	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1320	204	407	ug/kg dry	50	1630	ND	81	61-132%	---	---	
1,2-Dibromoethane (EDB)	1620	40.7	81.4	ug/kg dry	50	1630	ND	99	78-122%	---	---	
Dibromomethane	1640	40.7	81.4	ug/kg dry	50	1630	ND	101	78-125%	---	---	
1,2-Dichlorobenzene	1600	20.4	40.7	ug/kg dry	50	1630	ND	98	78-121%	---	---	
1,3-Dichlorobenzene	1630	20.4	40.7	ug/kg dry	50	1630	ND	100	77-121%	---	---	
1,4-Dichlorobenzene	1520	20.4	40.7	ug/kg dry	50	1630	ND	94	75-120%	---	---	
Dichlorodifluoromethane	1180	163	163	ug/kg dry	50	1630	ND	73	29-149%	---	---	Q-54i
1,1-Dichloroethane	1640	20.4	40.7	ug/kg dry	50	1630	ND	101	76-125%	---	---	
1,2-Dichloroethane (EDC)	1660	20.4	40.7	ug/kg dry	50	1630	ND	102	73-128%	---	---	
1,1-Dichloroethene	1510	20.4	40.7	ug/kg dry	50	1630	ND	93	70-131%	---	---	
cis-1,2-Dichloroethene	1680	20.4	40.7	ug/kg dry	50	1630	ND	104	77-123%	---	---	
trans-1,2-Dichloroethene	1590	20.4	40.7	ug/kg dry	50	1630	ND	98	74-125%	---	---	
1,2-Dichloropropane	1670	20.4	40.7	ug/kg dry	50	1630	ND	103	76-123%	---	---	
1,3-Dichloropropane	1690	40.7	81.4	ug/kg dry	50	1630	ND	104	77-121%	---	---	
2,2-Dichloropropane	1640	40.7	81.4	ug/kg dry	50	1630	ND	101	67-133%	---	---	
1,1-Dichloropropene	1560	40.7	81.4	ug/kg dry	50	1630	ND	96	76-125%	---	---	
cis-1,3-Dichloropropene	1480	40.7	81.4	ug/kg dry	50	1630	ND	91	74-126%	---	---	
trans-1,3-Dichloropropene	1410	40.7	81.4	ug/kg dry	50	1630	ND	87	71-130%	---	---	
Ethylbenzene	1580	20.4	40.7	ug/kg dry	50	1630	ND	97	76-122%	---	---	
Hexachlorobutadiene	1510	81.4	163	ug/kg dry	50	1630	ND	93	61-135%	---	---	
2-Hexanone	3220	407	814	ug/kg dry	50	3250	ND	99	53-145%	---	---	
Isopropylbenzene	1590	40.7	81.4	ug/kg dry	50	1630	ND	98	68-134%	---	---	
4-Isopropyltoluene	1620	40.7	81.4	ug/kg dry	50	1630	ND	100	73-127%	---	---	
Methylene chloride	1460	407	814	ug/kg dry	50	1630	ND	89	70-128%	---	---	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040426 - EPA 5035A							**Soil**					
Matrix Spike (1040426-MS1)			Prepared: 04/08/21 14:00		Analyzed: 04/13/21 20:56							
QC Source Sample: Non-SDG (A1D0350-09)												
4-Methyl-2-pentanone (MiBK)	3260	407	814	ug/kg dry	50	3250	ND	100	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1630	40.7	81.4	ug/kg dry	50	1630	ND	101	73-125%	---	---	
Naphthalene	1630	81.4	163	ug/kg dry	50	1630	ND	100	62-129%	---	---	
n-Propylbenzene	1640	20.4	40.7	ug/kg dry	50	1630	ND	101	73-125%	---	---	
Styrene	1700	40.7	81.4	ug/kg dry	50	1630	ND	105	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1690	20.4	40.7	ug/kg dry	50	1630	ND	104	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1680	40.7	81.4	ug/kg dry	50	1630	ND	103	70-124%	---	---	
Tetrachloroethene (PCE)	1550	20.4	40.7	ug/kg dry	50	1630	ND	95	73-128%	---	---	
Toluene	1500	40.7	81.4	ug/kg dry	50	1630	ND	92	77-121%	---	---	
1,2,3-Trichlorobenzene	1690	204	407	ug/kg dry	50	1630	ND	104	66-130%	---	---	
1,2,4-Trichlorobenzene	1620	204	407	ug/kg dry	50	1630	ND	100	67-129%	---	---	
1,1,1-Trichloroethane	1550	20.4	40.7	ug/kg dry	50	1630	ND	95	73-130%	---	---	
1,1,2-Trichloroethane	1680	20.4	40.7	ug/kg dry	50	1630	ND	103	78-121%	---	---	
Trichloroethene (TCE)	1630	20.4	40.7	ug/kg dry	50	1630	ND	100	77-123%	---	---	
Trichlorofluoromethane	1610	81.4	163	ug/kg dry	50	1630	ND	99	62-140%	---	---	
1,2,3-Trichloropropane	1680	40.7	81.4	ug/kg dry	50	1630	ND	104	73-125%	---	---	
1,2,4-Trimethylbenzene	1720	40.7	81.4	ug/kg dry	50	1630	ND	106	75-123%	---	---	
1,3,5-Trimethylbenzene	1690	40.7	81.4	ug/kg dry	50	1630	ND	104	73-124%	---	---	
Vinyl chloride	1440	20.4	40.7	ug/kg dry	50	1630	ND	89	56-135%	---	---	
m,p-Xylene	3190	40.7	81.4	ug/kg dry	50	3250	ND	98	77-124%	---	---	
o-Xylene	1630	20.4	40.7	ug/kg dry	50	1630	ND	100	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*100 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*				*"*			

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							Soil					
Blank (1040492-BLK1)			Prepared: 04/14/21 09:00 Analyzed: 04/14/21 15:03									
5035A/8260D												
Acetone	ND	333	667	ug/kg wet	50	---	---	---	---	---	---	
Acrylonitrile	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Benzene	ND	3.33	6.67	ug/kg wet	50	---	---	---	---	---	---	
Bromobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Bromochloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromodichloromethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Bromoform	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
Bromomethane	ND	333	333	ug/kg wet	50	---	---	---	---	---	---	
2-Butanone (MEK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
n-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
sec-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
tert-Butylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Carbon disulfide	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Carbon tetrachloride	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Chloroethane	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Chloroform	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Chloromethane	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
2-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Chlorotoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromochloromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	167	167	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Dibromomethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Blank (1040492-BLK1)			Prepared: 04/14/21 09:00 Analyzed: 04/14/21 15:03									
1,2-Dichloropropane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,3-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
2,2-Dichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Hexachlorobutadiene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
2-Hexanone	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
4-Isopropyltoluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Methylene chloride	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	167	333	ug/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
n-Propylbenzene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Styrene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Tetrachloroethene (PCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	83.3	167	ug/kg wet	50	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Trichlorofluoromethane	ND	33.3	66.7	ug/kg wet	50	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
Vinyl chloride	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
m,p-Xylene	ND	16.7	33.3	ug/kg wet	50	---	---	---	---	---	---	
o-Xylene	ND	8.33	16.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*	*Limits: 80-120 %*			*Dilution: 1x*					

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Blank (1040492-BLK1)			Prepared: 04/14/21 09:00 Analyzed: 04/14/21 15:03									
Surr: Toluene-d8 (Surr)			*Recovery: 104 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*99 %*	*79-120 %*			*"*					
LCS (1040492-BS1)			Prepared: 04/14/21 09:00 Analyzed: 04/14/21 14:09									
5035A/8260D												
Acetone	1890	500	1000	ug/kg wet	50	2000	---	95	80-120%	---	---	
Acrylonitrile	1130	50.0	100	ug/kg wet	50	1000	---	113	80-120%	---	---	
Benzene	1040	5.00	10.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Bromobenzene	970	12.5	25.0	ug/kg wet	50	1000	---	97	80-120%	---	---	
Bromochloromethane	1090	25.0	50.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
Bromodichloromethane	955	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Bromoform	1030	50.0	100	ug/kg wet	50	1000	---	103	80-120%	---	---	
Bromomethane	1100	500	500	ug/kg wet	50	1000	---	110	80-120%	---	---	
2-Butanone (MEK)	2140	250	500	ug/kg wet	50	2000	---	107	80-120%	---	---	
n-Butylbenzene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
sec-Butylbenzene	990	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
tert-Butylbenzene	952	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
Carbon disulfide	882	250	500	ug/kg wet	50	1000	---	88	80-120%	---	---	
Carbon tetrachloride	1170	25.0	50.0	ug/kg wet	50	1000	---	117	80-120%	---	---	
Chlorobenzene	994	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Chloroethane	960	250	500	ug/kg wet	50	1000	---	96	80-120%	---	---	
Chloroform	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Chloromethane	998	125	250	ug/kg wet	50	1000	---	100	80-120%	---	---	
2-Chlorotoluene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
4-Chlorotoluene	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Dibromochloromethane	964	50.0	100	ug/kg wet	50	1000	---	96	80-120%	---	---	
1,2-Dibromo-3-chloropropane	784	250	250	ug/kg wet	50	1000	---	**78**	**80-120%**	---	---	Q-55
1,2-Dibromoethane (EDB)	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Dibromomethane	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,2-Dichlorobenzene	1010	12.5	25.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
1,3-Dichlorobenzene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,4-Dichlorobenzene	920	12.5	25.0	ug/kg wet	50	1000	---	92	80-120%	---	---	
Dichlorodifluoromethane	924	50.0	100	ug/kg wet	50	1000	---	92	80-120%	---	---	
1,1-Dichloroethane	1100	12.5	25.0	ug/kg wet	50	1000	---	110	80-120%	---	---	

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Philip Nerenberg, Lab Director

APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
LCS (1040492-BS1)			Prepared: 04/14/21 09:00 Analyzed: 04/14/21 14:09									
1,2-Dichloroethane (EDC)	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,1-Dichloroethene	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
cis-1,2-Dichloroethene	1080	12.5	25.0	ug/kg wet	50	1000	---	108	80-120%	---	---	
trans-1,2-Dichloroethene	1050	12.5	25.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
1,2-Dichloropropane	1090	12.5	25.0	ug/kg wet	50	1000	---	109	80-120%	---	---	
1,3-Dichloropropane	1070	25.0	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
2,2-Dichloropropane	1100	25.0	50.0	ug/kg wet	50	1000	---	110	80-120%	---	---	
1,1-Dichloropropene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
cis-1,3-Dichloropropene	948	25.0	50.0	ug/kg wet	50	1000	---	95	80-120%	---	---	
trans-1,3-Dichloropropene	909	25.0	50.0	ug/kg wet	50	1000	---	91	80-120%	---	---	
Ethylbenzene	992	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
Hexachlorobutadiene	958	50.0	100	ug/kg wet	50	1000	---	96	80-120%	---	---	
2-Hexanone	2090	250	500	ug/kg wet	50	2000	---	105	80-120%	---	---	
Isopropylbenzene	992	25.0	50.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
4-Isopropyltoluene	1010	25.0	50.0	ug/kg wet	50	1000	---	101	80-120%	---	---	
Methylene chloride	962	250	500	ug/kg wet	50	1000	---	96	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	2030	250	500	ug/kg wet	50	2000	---	102	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	1030	25.0	50.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Naphthalene	974	50.0	100	ug/kg wet	50	1000	---	97	80-120%	---	---	
n-Propylbenzene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Styrene	1060	25.0	50.0	ug/kg wet	50	1000	---	106	80-120%	---	---	
1,1,1,2-Tetrachloroethane	1140	12.5	25.0	ug/kg wet	50	1000	---	114	80-120%	---	---	
1,1,2,2-Tetrachloroethane	1050	25.0	50.0	ug/kg wet	50	1000	---	105	80-120%	---	---	
Tetrachloroethene (PCE)	999	12.5	25.0	ug/kg wet	50	1000	---	100	80-120%	---	---	
Toluene	978	25.0	50.0	ug/kg wet	50	1000	---	98	80-120%	---	---	
1,2,3-Trichlorobenzene	1040	125	250	ug/kg wet	50	1000	---	104	80-120%	---	---	
1,2,4-Trichlorobenzene	989	125	250	ug/kg wet	50	1000	---	99	80-120%	---	---	
1,1,1-Trichloroethane	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,1,2-Trichloroethane	1040	12.5	25.0	ug/kg wet	50	1000	---	104	80-120%	---	---	
Trichloroethene (TCE)	1030	12.5	25.0	ug/kg wet	50	1000	---	103	80-120%	---	---	
Trichlorofluoromethane	947	50.0	100	ug/kg wet	50	1000	---	95	80-120%	---	---	
1,2,3-Trichloropropane	1020	25.0	50.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
1,2,4-Trimethylbenzene	1070	25.0	50.0	ug/kg wet	50	1000	---	107	80-120%	---	---	
1,3,5-Trimethylbenzene	1040	25.0	50.0	ug/kg wet	50	1000	---	104	80-120%	---	---	

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Philip Nerenberg, Lab Director

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APEX LABORATORIES

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
LCS (1040492-BS1)			Prepared: 04/14/21 09:00		Analyzed: 04/14/21 14:09							
Vinyl chloride	991	12.5	25.0	ug/kg wet	50	1000	---	99	80-120%	---	---	
m,p-Xylene	2000	25.0	50.0	ug/kg wet	50	2000	---	100	80-120%	---	---	
o-Xylene	1020	12.5	25.0	ug/kg wet	50	1000	---	102	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*102 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*		*"*					
Duplicate (1040492-DUP1)			Prepared: 04/13/21 17:33		Analyzed: 04/14/21 21:46							**TEMP**
QC Source Sample: Non-SDG (A1D0544-01)												
Acetone	ND	652	1300	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	65.2	130	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	**44.8**	6.52	13.0	ug/kg dry	50	---	ND	---	---		**30%**	Q-05
Bromobenzene	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	65.2	130	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	652	652	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	326	652	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	**623**	32.6	65.2	ug/kg dry	50	---	139	---	---	**127**	**30%**	Q-04
sec-Butylbenzene	**204**	32.6	65.2	ug/kg dry	50	---	56.1	---	---	**114**	**30%**	Q-05
tert-Butylbenzene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	326	652	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	**23.5**	16.3	32.6	ug/kg dry	50	---	ND	---	---		**30%**	Q-05, J
Chloroethane	ND	326	652	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	163	326	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	65.2	130	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	326	326	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	**226**	16.3	32.6	ug/kg dry	50	---	88.6	---	---	**87**	**30%**	Q-04

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Philip Nerenberg, Lab Director

APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Duplicate (1040492-DUP1)			Prepared: 04/13/21 17:33		Analyzed: 04/14/21 21:46							**TEMP**
QC Source Sample: Non-SDG (A1D0544-01)												
1,3-Dichlorobenzene	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	**39.9**	16.3	32.6	ug/kg dry	50	---	16.7	---	---	**82**	**30%**	Q-05
Dichlorodifluoromethane	ND	65.2	130	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	65.2	130	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	326	652	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	**70.9**	32.6	65.2	ug/kg dry	50	---	ND	---	---		**30%**	Q-05
4-Isopropyltoluene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	326	652	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	326	652	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	**718**	65.2	130	ug/kg dry	50	---	448	---	---	**46**	**30%**	Q-04
n-Propylbenzene	**525**	16.3	32.6	ug/kg dry	50	---	159	---	---	**107**	**30%**	Q-04
Styrene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	163	326	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	163	326	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Duplicate (1040492-DUP1)			Prepared: 04/13/21 17:33		Analyzed: 04/14/21 21:46							**TEMP**
QC Source Sample: Non-SDG (A1D0544-01)												
Trichloroethene (TCE)	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	65.2	130	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	**121**	32.6	65.2	ug/kg dry	50	---	122	---	---	0.3	30%	
1,3,5-Trimethylbenzene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	32.6	65.2	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	16.3	32.6	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*102 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*102 %*		*79-120 %*		*"*					
Duplicate (1040492-DUP2)			Prepared: 04/13/21 16:48		Analyzed: 04/14/21 22:40							**TEMP**
QC Source Sample: Non-SDG (A1D0544-04)												
Acetone	ND	712	1420	ug/kg dry	50	---	ND	---	---	---	30%	
Acrylonitrile	ND	71.2	142	ug/kg dry	50	---	ND	---	---	---	30%	
Benzene	ND	7.12	14.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromobenzene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Bromochloromethane	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromodichloromethane	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Bromoform	ND	71.2	142	ug/kg dry	50	---	ND	---	---	---	30%	
Bromomethane	ND	712	712	ug/kg dry	50	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	356	712	ug/kg dry	50	---	ND	---	---	---	30%	
n-Butylbenzene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon disulfide	ND	356	712	ug/kg dry	50	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chlorobenzene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroethane	ND	356	712	ug/kg dry	50	---	ND	---	---	---	30%	
Chloroform	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Chloromethane	ND	178	356	ug/kg dry	50	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Duplicate (1040492-DUP2)			Prepared: 04/13/21 16:48		Analyzed: 04/14/21 22:40							**TEMP**
QC Source Sample: Non-SDG (A1D0544-04)												
4-Chlorotoluene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromochloromethane	ND	71.2	142	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	356	356	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Dibromomethane	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichlorobenzene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	71.2	142	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,2-Dichloroethene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	71.2	142	ug/kg dry	50	---	ND	---	---	---	30%	
2-Hexanone	ND	356	712	ug/kg dry	50	---	ND	---	---	---	30%	
Isopropylbenzene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Methylene chloride	ND	356	712	ug/kg dry	50	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	356	712	ug/kg dry	50	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	71.2	142	ug/kg dry	50	---	ND	---	---	---	30%	
n-Propylbenzene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Styrene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Duplicate (1040492-DUP2)			Prepared: 04/13/21 16:48		Analyzed: 04/14/21 22:40							**TEMP**
QC Source Sample: Non-SDG (A1D0544-04)												
Tetrachloroethene (PCE)	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	178	356	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	178	356	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Trichloroethene (TCE)	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Trichlorofluoromethane	ND	71.2	142	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
Vinyl chloride	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
m,p-Xylene	ND	35.6	71.2	ug/kg dry	50	---	ND	---	---	---	30%	
o-Xylene	ND	17.8	35.6	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 99 %*		*Limits: 80-120 %*		*Dilution: 1x*					
Toluene-d8 (Surr)			*100 %*		*80-120 %*		*"*					
4-Bromofluorobenzene (Surr)			*101 %*		*79-120 %*		*"*					
Matrix Spike (1040492-MS1)			Prepared: 04/09/21 11:30		Analyzed: 04/15/21 02:16							**T-02**
QC Source Sample: Non-SDG (A1D0353-01)												
5035A/8260D												
Acetone	2740	691	1380	ug/kg dry	50	2760	ND	99	36-164%	---	---	
Acrylonitrile	1500	69.1	138	ug/kg dry	50	1380	ND	109	65-134%	---	---	
Benzene	1400	6.91	13.8	ug/kg dry	50	1380	ND	101	77-121%	---	---	
Bromobenzene	1320	17.3	34.5	ug/kg dry	50	1380	ND	95	78-121%	---	---	
Bromochloromethane	1470	34.5	69.1	ug/kg dry	50	1380	ND	107	78-125%	---	---	
Bromodichloromethane	1290	34.5	69.1	ug/kg dry	50	1380	ND	93	75-127%	---	---	
Bromoform	1440	69.1	138	ug/kg dry	50	1380	ND	104	67-132%	---	---	
Bromomethane	1410	691	691	ug/kg dry	50	1380	ND	102	53-143%	---	---	
2-Butanone (MEK)	3030	345	691	ug/kg dry	50	2760	ND	110	51-148%	---	---	
n-Butylbenzene	1440	34.5	69.1	ug/kg dry	50	1380	ND	104	70-128%	---	---	
sec-Butylbenzene	1400	34.5	69.1	ug/kg dry	50	1380	ND	101	73-126%	---	---	
tert-Butylbenzene	1330	34.5	69.1	ug/kg dry	50	1380	ND	96	73-125%	---	---	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Matrix Spike (1040492-MS1)			Prepared: 04/09/21 11:30		Analyzed: 04/15/21 02:16							**T-02**
QC Source Sample: Non-SDG (A1D0353-01)												
Carbon disulfide	1160	345	691	ug/kg dry	50	1380	ND	84	63-132%	---	---	
Carbon tetrachloride	1600	34.5	69.1	ug/kg dry	50	1380	ND	116	70-135%	---	---	
Chlorobenzene	1370	17.3	34.5	ug/kg dry	50	1380	ND	99	79-120%	---	---	
Chloroethane	1290	345	691	ug/kg dry	50	1380	ND	93	59-139%	---	---	
Chloroform	1370	34.5	69.1	ug/kg dry	50	1380	ND	99	78-123%	---	---	
Chloromethane	1360	173	345	ug/kg dry	50	1380	ND	98	50-136%	---	---	
2-Chlorotoluene	1460	34.5	69.1	ug/kg dry	50	1380	ND	105	75-122%	---	---	
4-Chlorotoluene	1390	34.5	69.1	ug/kg dry	50	1380	ND	100	72-124%	---	---	
Dibromochloromethane	1360	69.1	138	ug/kg dry	50	1380	ND	99	74-126%	---	---	
1,2-Dibromo-3-chloropropane	1160	345	345	ug/kg dry	50	1380	ND	84	61-132%	---	---	Q-54j
1,2-Dibromoethane (EDB)	1460	34.5	69.1	ug/kg dry	50	1380	ND	106	78-122%	---	---	
Dibromomethane	1390	34.5	69.1	ug/kg dry	50	1380	ND	101	78-125%	---	---	
1,2-Dichlorobenzene	1390	17.3	34.5	ug/kg dry	50	1380	ND	100	78-121%	---	---	
1,3-Dichlorobenzene	1410	17.3	34.5	ug/kg dry	50	1380	ND	102	77-121%	---	---	
1,4-Dichlorobenzene	1310	17.3	34.5	ug/kg dry	50	1380	ND	95	75-120%	---	---	
Dichlorodifluoromethane	1250	69.1	138	ug/kg dry	50	1380	ND	91	29-149%	---	---	
1,1-Dichloroethane	1450	17.3	34.5	ug/kg dry	50	1380	ND	105	76-125%	---	---	
1,2-Dichloroethane (EDC)	1430	17.3	34.5	ug/kg dry	50	1380	ND	103	73-128%	---	---	
1,1-Dichloroethene	1370	17.3	34.5	ug/kg dry	50	1380	ND	99	70-131%	---	---	
cis-1,2-Dichloroethene	1450	17.3	34.5	ug/kg dry	50	1380	ND	105	77-123%	---	---	
trans-1,2-Dichloroethene	1400	17.3	34.5	ug/kg dry	50	1380	ND	101	74-125%	---	---	
1,2-Dichloropropane	1460	17.3	34.5	ug/kg dry	50	1380	ND	106	76-123%	---	---	
1,3-Dichloropropane	1480	34.5	69.1	ug/kg dry	50	1380	ND	107	77-121%	---	---	
2,2-Dichloropropane	1370	34.5	69.1	ug/kg dry	50	1380	ND	99	67-133%	---	---	
1,1-Dichloropropene	1410	34.5	69.1	ug/kg dry	50	1380	ND	102	76-125%	---	---	
cis-1,3-Dichloropropene	1300	34.5	69.1	ug/kg dry	50	1380	ND	94	74-126%	---	---	
trans-1,3-Dichloropropene	1240	34.5	69.1	ug/kg dry	50	1380	ND	90	71-130%	---	---	
Ethylbenzene	1390	17.3	34.5	ug/kg dry	50	1380	ND	101	76-122%	---	---	
Hexachlorobutadiene	1300	69.1	138	ug/kg dry	50	1380	ND	94	61-135%	---	---	
2-Hexanone	3000	345	691	ug/kg dry	50	2760	ND	109	53-145%	---	---	
Isopropylbenzene	1400	34.5	69.1	ug/kg dry	50	1380	ND	101	68-134%	---	---	
4-Isopropyltoluene	1430	34.5	69.1	ug/kg dry	50	1380	ND	104	73-127%	---	---	
Methylene chloride	1230	345	691	ug/kg dry	50	1380	ND	89	70-128%	---	---	

Apex Laboratories

Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040492 - EPA 5035A							**Soil**					
Matrix Spike (1040492-MS1)			Prepared: 04/09/21 11:30		Analyzed: 04/15/21 02:16							**T-02**
QC Source Sample: Non-SDG (A1D0353-01)												
4-Methyl-2-pentanone (MiBK)	2890	345	691	ug/kg dry	50	2760	ND	105	65-135%	---	---	
Methyl tert-butyl ether (MTBE)	1410	34.5	69.1	ug/kg dry	50	1380	ND	102	73-125%	---	---	
Naphthalene	1450	69.1	138	ug/kg dry	50	1380	ND	105	62-129%	---	---	
n-Propylbenzene	1430	17.3	34.5	ug/kg dry	50	1380	ND	103	73-125%	---	---	
Styrene	1460	34.5	69.1	ug/kg dry	50	1380	ND	106	76-124%	---	---	
1,1,1,2-Tetrachloroethane	1600	17.3	34.5	ug/kg dry	50	1380	ND	115	78-125%	---	---	
1,1,2,2-Tetrachloroethane	1440	34.5	69.1	ug/kg dry	50	1380	ND	104	70-124%	---	---	
Tetrachloroethene (PCE)	1400	17.3	34.5	ug/kg dry	50	1380	ND	101	73-128%	---	---	
Toluene	1350	34.5	69.1	ug/kg dry	50	1380	ND	98	77-121%	---	---	
1,2,3-Trichlorobenzene	1450	173	345	ug/kg dry	50	1380	ND	105	66-130%	---	---	
1,2,4-Trichlorobenzene	1380	173	345	ug/kg dry	50	1380	ND	100	67-129%	---	---	
1,1,1-Trichloroethane	1400	17.3	34.5	ug/kg dry	50	1380	ND	101	73-130%	---	---	
1,1,2-Trichloroethane	1460	17.3	34.5	ug/kg dry	50	1380	ND	106	78-121%	---	---	
Trichloroethene (TCE)	1390	17.3	34.5	ug/kg dry	50	1380	ND	100	77-123%	---	---	
Trichlorofluoromethane	1360	69.1	138	ug/kg dry	50	1380	ND	98	62-140%	---	---	
1,2,3-Trichloropropane	1460	34.5	69.1	ug/kg dry	50	1380	ND	105	73-125%	---	---	
1,2,4-Trimethylbenzene	1490	34.5	69.1	ug/kg dry	50	1380	ND	108	75-123%	---	---	
1,3,5-Trimethylbenzene	1470	34.5	69.1	ug/kg dry	50	1380	ND	106	73-124%	---	---	
Vinyl chloride	1320	17.3	34.5	ug/kg dry	50	1380	ND	95	56-135%	---	---	
m,p-Xylene	2830	34.5	69.1	ug/kg dry	50	2760	ND	102	77-124%	---	---	
o-Xylene	1420	17.3	34.5	ug/kg dry	50	1380	ND	103	77-123%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 101 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*102 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*99 %*		*79-120 %*			*"*				

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Philip Nerenberg, Lab Director

APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
Blank (1040556-BLK1)			Prepared: 04/15/21 17:16		Analyzed: 04/16/21 07:26							
EPA 8260D												
Acetone	ND	10.0	20.0	ug/L	1	---	---	---	---	---	---	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
Benzene	ND	0.100	0.200	ug/L	1	---	---	---	---	---	---	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromoform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Bromomethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Chloroethane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
Chloroform	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Chloromethane	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
cis-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
Blank (1040556-BLK1)			Prepared: 04/15/21 17:16		Analyzed: 04/16/21 07:26							
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
2,2-Dichloropropane	ND	1.00	1.00	ug/L	1	---	---	---	---	---	---	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	---	---	---	---	---	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	2.00	4.00	ug/L	1	---	---	---	---	---	---	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Styrene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Tetrachloroethene (PCE)	**0.307**	0.200	0.400	ug/L	1	---	---	---	---	---	---	B-02, J
Toluene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	
Trichloroethene (TCE)	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	---	---	---	---	---	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	---	---	---	---	---	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	---	---	---	---	---	
o-Xylene	ND	0.250	0.500	ug/L	1	---	---	---	---	---	---	

Surr: 1,4-Difluorobenzene (Surr) *Recovery: 111 %* *Limits: 80-120 %* *Dilution: 1x*

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Philip Nerenberg, Lab Director

APEX LABORATORIES

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
Blank (1040556-BLK1)				Prepared: 04/15/21 17:16 Analyzed: 04/16/21 07:26								
Surr: Toluene-d8 (Surr)			*Recovery: 99 %*	*Limits: 80-120 %*			*Dilution: 1x*					
4-Bromofluorobenzene (Surr)			*108 %*	*80-120 %*			*"*					
LCS (1040556-BS1)				Prepared: 04/15/21 16:00 Analyzed: 04/16/21 06:32								
EPA 8260D												
Acetone	36.7	10.0	20.0	ug/L	1	40.0	---	92	80-120%	---	---	
Acrylonitrile	20.6	1.00	2.00	ug/L	1	20.0	---	103	80-120%	---	---	
Benzene	20.7	0.100	0.200	ug/L	1	20.0	---	104	80-120%	---	---	
Bromobenzene	19.4	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Bromochloromethane	24.6	0.500	1.00	ug/L	1	20.0	---	**123**	**80-120%**	---	---	Q-56
Bromodichloromethane	21.4	0.500	1.00	ug/L	1	20.0	---	107	80-120%	---	---	
Bromoform	23.5	0.500	1.00	ug/L	1	20.0	---	118	80-120%	---	---	
Bromomethane	33.7	5.00	5.00	ug/L	1	20.0	---	**168**	**80-120%**	---	---	Q-56
2-Butanone (MEK)	38.9	5.00	10.0	ug/L	1	40.0	---	97	80-120%	---	---	
n-Butylbenzene	19.3	0.500	1.00	ug/L	1	20.0	---	96	80-120%	---	---	
sec-Butylbenzene	19.7	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
tert-Butylbenzene	16.9	0.500	1.00	ug/L	1	20.0	---	84	80-120%	---	---	
Carbon disulfide	19.3	5.00	10.0	ug/L	1	20.0	---	97	80-120%	---	---	
Carbon tetrachloride	22.9	0.500	1.00	ug/L	1	20.0	---	114	80-120%	---	---	
Chlorobenzene	20.3	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
Chloroethane	27.3	5.00	5.00	ug/L	1	20.0	---	**136**	**80-120%**	---	---	Q-56
Chloroform	21.6	0.500	1.00	ug/L	1	20.0	---	108	80-120%	---	---	
Chloromethane	16.8	2.50	5.00	ug/L	1	20.0	---	84	80-120%	---	---	
2-Chlorotoluene	19.6	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
4-Chlorotoluene	18.6	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
Dibromochloromethane	19.7	0.500	1.00	ug/L	1	20.0	---	99	80-120%	---	---	
1,2-Dibromo-3-chloropropane	15.6	5.00	5.00	ug/L	1	20.0	---	**78**	**80-120%**	---	---	Q-55
1,2-Dibromoethane (EDB)	19.3	0.250	0.500	ug/L	1	20.0	---	97	80-120%	---	---	
Dibromomethane	22.3	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
1,2-Dichlorobenzene	19.3	0.250	0.500	ug/L	1	20.0	---	96	80-120%	---	---	
1,3-Dichlorobenzene	19.9	0.250	0.500	ug/L	1	20.0	---	100	80-120%	---	---	
1,4-Dichlorobenzene	19.7	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Dichlorodifluoromethane	22.5	0.500	1.00	ug/L	1	20.0	---	112	80-120%	---	---	
1,1-Dichloroethane	19.4	0.200	0.400	ug/L	1	20.0	---	97	80-120%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
LCS (1040556-BS1)			Prepared: 04/15/21 16:00		Analyzed: 04/16/21 06:32							
1,2-Dichloroethane (EDC)	20.2	0.200	0.400	ug/L	1	20.0	---	101	80-120%	---	---	
1,1-Dichloroethene	19.9	0.200	0.400	ug/L	1	20.0	---	99	80-120%	---	---	
cis-1,2-Dichloroethene	20.1	0.200	0.400	ug/L	1	20.0	---	100	80-120%	---	---	
trans-1,2-Dichloroethene	21.0	0.200	0.400	ug/L	1	20.0	---	105	80-120%	---	---	
1,2-Dichloropropane	20.4	0.250	0.500	ug/L	1	20.0	---	102	80-120%	---	---	
1,3-Dichloropropane	19.5	0.500	1.00	ug/L	1	20.0	---	98	80-120%	---	---	
2,2-Dichloropropane	14.8	1.00	1.00	ug/L	1	20.0	---	**74**	**80-120%**	---	---	Q-55
1,1-Dichloropropene	21.7	0.500	1.00	ug/L	1	20.0	---	109	80-120%	---	---	
cis-1,3-Dichloropropene	17.5	0.500	1.00	ug/L	1	20.0	---	87	80-120%	---	---	
trans-1,3-Dichloropropene	16.7	0.500	1.00	ug/L	1	20.0	---	83	80-120%	---	---	
Ethylbenzene	19.6	0.250	0.500	ug/L	1	20.0	---	98	80-120%	---	---	
Hexachlorobutadiene	17.2	2.50	5.00	ug/L	1	20.0	---	86	80-120%	---	---	
2-Hexanone	32.6	5.00	10.0	ug/L	1	40.0	---	82	80-120%	---	---	
Isopropylbenzene	20.5	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
4-Isopropyltoluene	20.2	0.500	1.00	ug/L	1	20.0	---	101	80-120%	---	---	
Methylene chloride	21.8	5.00	10.0	ug/L	1	20.0	---	109	80-120%	---	---	
4-Methyl-2-pentanone (MiBK)	34.6	5.00	10.0	ug/L	1	40.0	---	87	80-120%	---	---	
Methyl tert-butyl ether (MTBE)	17.7	0.500	1.00	ug/L	1	20.0	---	89	80-120%	---	---	
Naphthalene	17.8	2.00	4.00	ug/L	1	20.0	---	89	80-120%	---	---	
n-Propylbenzene	18.8	0.250	0.500	ug/L	1	20.0	---	94	80-120%	---	---	
Styrene	21.0	0.500	1.00	ug/L	1	20.0	---	105	80-120%	---	---	
1,1,1,2-Tetrachloroethane	20.3	0.200	0.400	ug/L	1	20.0	---	102	80-120%	---	---	
1,1,2,2-Tetrachloroethane	17.0	0.250	0.500	ug/L	1	20.0	---	85	80-120%	---	---	
Tetrachloroethene (PCE)	21.4	0.200	0.400	ug/L	1	20.0	---	107	80-120%	---	---	B-02
Toluene	18.7	0.500	1.00	ug/L	1	20.0	---	93	80-120%	---	---	
1,2,3-Trichlorobenzene	23.1	1.00	2.00	ug/L	1	20.0	---	116	80-120%	---	---	
1,2,4-Trichlorobenzene	23.5	1.00	2.00	ug/L	1	20.0	---	118	80-120%	---	---	
1,1,1-Trichloroethane	19.8	0.200	0.400	ug/L	1	20.0	---	99	80-120%	---	---	
1,1,2-Trichloroethane	20.5	0.250	0.500	ug/L	1	20.0	---	103	80-120%	---	---	
Trichloroethene (TCE)	25.0	0.200	0.400	ug/L	1	20.0	---	**125**	**80-120%**	---	---	Q-56
Trichlorofluoromethane	23.7	1.00	2.00	ug/L	1	20.0	---	119	80-120%	---	---	
1,2,3-Trichloropropane	18.0	0.500	1.00	ug/L	1	20.0	---	90	80-120%	---	---	
1,2,4-Trimethylbenzene	20.5	0.500	1.00	ug/L	1	20.0	---	102	80-120%	---	---	
1,3,5-Trimethylbenzene	21.2	0.500	1.00	ug/L	1	20.0	---	106	80-120%	---	---	

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Philip Nerenberg, Lab Director

APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
LCS (1040556-BS1)			Prepared: 04/15/21 16:00		Analyzed: 04/16/21 06:32							
Vinyl chloride	22.6	0.200	0.400	ug/L	1	20.0	---	113	80-120%	---	---	
m,p-Xylene	39.3	0.500	1.00	ug/L	1	40.0	---	98	80-120%	---	---	
o-Xylene	18.6	0.250	0.500	ug/L	1	20.0	---	93	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 108 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*95 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*94 %*		*80-120 %*				*"*			
Duplicate (1040556-DUP1)			Prepared: 04/16/21 08:22		Analyzed: 04/16/21 10:47							
QC Source Sample: Non-SDG (A1D0471-01)												
Acetone	ND	10.0	20.0	ug/L	1	---	ND	---	---	---	30%	
Acrylonitrile	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
Benzene	ND	0.100	0.200	ug/L	1	---	ND	---	---	---	30%	
Bromobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Bromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromodichloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromoform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Bromomethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Butanone (MEK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
n-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
sec-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
tert-Butylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Carbon disulfide	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Carbon tetrachloride	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Chloroethane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
Chloroform	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Chloromethane	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Chlorotoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Dibromochloromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromo-3-chloropropane	ND	5.00	5.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dibromoethane (EDB)	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dibromomethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

APEX LABORATORIES

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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
Duplicate (1040556-DUP1)			Prepared: 04/16/21 08:22		Analyzed: 04/16/21 10:47							
QC Source Sample: Non-SDG (A1D0471-01)												
1,3-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,4-Dichlorobenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Dichlorodifluoromethane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloroethane (EDC)	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
cis-1,2-Dichloroethene	**0.326**	0.200	0.400	ug/L	1	---	0.248	---	---	27	30%	J
trans-1,2-Dichloroethene	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,2-Dichloropropane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
1,3-Dichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
2,2-Dichloropropane	ND	1.00	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
cis-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
trans-1,3-Dichloropropene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Ethylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Hexachlorobutadiene	ND	2.50	5.00	ug/L	1	---	ND	---	---	---	30%	
2-Hexanone	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Isopropylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
4-Isopropyltoluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Methylene chloride	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
4-Methyl-2-pentanone (MiBK)	ND	5.00	10.0	ug/L	1	---	ND	---	---	---	30%	
Methyl tert-butyl ether (MTBE)	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Naphthalene	ND	2.00	4.00	ug/L	1	---	ND	---	---	---	30%	
n-Propylbenzene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Styrene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1,2-Tetrachloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2,2-Tetrachloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Tetrachloroethene (PCE)	**1.86**	0.200	0.400	ug/L	1	---	1.83	---	---	1	30%	B-02
Toluene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trichlorobenzene	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,1,1-Trichloroethane	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
1,1,2-Trichloroethane	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	

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Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
Duplicate (1040556-DUP1)			Prepared: 04/16/21 08:22		Analyzed: 04/16/21 10:47							
QC Source Sample: Non-SDG (A1D0471-01)												
Trichloroethene (TCE)	**2.20**	0.200	0.400	ug/L	1	---	2.26	---	---	3	30%	Q-54g
Trichlorofluoromethane	ND	1.00	2.00	ug/L	1	---	ND	---	---	---	30%	
1,2,3-Trichloropropane	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,2,4-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
1,3,5-Trimethylbenzene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.200	0.400	ug/L	1	---	ND	---	---	---	30%	
m,p-Xylene	ND	0.500	1.00	ug/L	1	---	ND	---	---	---	30%	
o-Xylene	ND	0.250	0.500	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 112 %*		*Limits: 80-120 %*				*Dilution: 1x*			
Toluene-d8 (Surr)			*98 %*		*80-120 %*				*"*			
4-Bromofluorobenzene (Surr)			*104 %*		*80-120 %*				*"*			
Matrix Spike (1040556-MS1)			Prepared: 04/16/21 08:22		Analyzed: 04/16/21 11:42							
QC Source Sample: Non-SDG (A1D0471-02)												
EPA 8260D												
Acetone	37.1	10.0	20.0	ug/L	1	40.0	ND	93	39-160%	---	---	
Acrylonitrile	20.9	1.00	2.00	ug/L	1	20.0	ND	104	63-135%	---	---	
Benzene	21.5	0.100	0.200	ug/L	1	20.0	ND	107	79-120%	---	---	
Bromobenzene	19.8	0.250	0.500	ug/L	1	20.0	ND	99	80-120%	---	---	
Bromochloromethane	25.2	0.500	1.00	ug/L	1	20.0	ND	**126**	**78-123%**	---	---	Q-54d
Bromodichloromethane	22.6	0.500	1.00	ug/L	1	20.0	ND	113	79-125%	---	---	
Bromoform	25.0	0.500	1.00	ug/L	1	20.0	ND	125	66-130%	---	---	
Bromomethane	33.0	5.00	5.00	ug/L	1	20.0	ND	**165**	**53-141%**	---	---	Q-54f
2-Butanone (MEK)	37.0	5.00	10.0	ug/L	1	40.0	ND	93	56-143%	---	---	
n-Butylbenzene	20.2	0.500	1.00	ug/L	1	20.0	ND	101	75-128%	---	---	
sec-Butylbenzene	20.7	0.500	1.00	ug/L	1	20.0	ND	104	77-126%	---	---	
tert-Butylbenzene	17.2	0.500	1.00	ug/L	1	20.0	ND	86	78-124%	---	---	
Carbon disulfide	20.6	5.00	10.0	ug/L	1	20.0	ND	103	64-133%	---	---	
Carbon tetrachloride	25.2	0.500	1.00	ug/L	1	20.0	ND	126	72-136%	---	---	
Chlorobenzene	21.0	0.250	0.500	ug/L	1	20.0	ND	105	80-120%	---	---	
Chloroethane	26.8	5.00	5.00	ug/L	1	20.0	ND	134	60-138%	---	---	Q-54a
Chloroform	22.5	0.500	1.00	ug/L	1	20.0	ND	112	79-124%	---	---	
Chloromethane	16.2	2.50	5.00	ug/L	1	20.0	ND	81	50-139%	---	---	

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
Matrix Spike (1040556-MS1)			Prepared: 04/16/21 08:22		Analyzed: 04/16/21 11:42							
QC Source Sample: Non-SDG (A1D0471-02)												
2-Chlorotoluene	20.0	0.500	1.00	ug/L	1	20.0	ND	100	79-122%	---	---	
4-Chlorotoluene	18.6	0.500	1.00	ug/L	1	20.0	ND	93	78-122%	---	---	
Dibromochloromethane	21.2	0.500	1.00	ug/L	1	20.0	ND	106	74-126%	---	---	
1,2-Dibromo-3-chloropropane	17.0	5.00	5.00	ug/L	1	20.0	ND	85	62-128%	---	---	Q-54j
1,2-Dibromoethane (EDB)	19.8	0.250	0.500	ug/L	1	20.0	ND	99	77-121%	---	---	
Dibromomethane	23.1	0.500	1.00	ug/L	1	20.0	ND	116	79-123%	---	---	
1,2-Dichlorobenzene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	80-120%	---	---	
1,3-Dichlorobenzene	20.5	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
1,4-Dichlorobenzene	20.6	0.250	0.500	ug/L	1	20.0	ND	103	79-120%	---	---	
Dichlorodifluoromethane	22.6	0.500	1.00	ug/L	1	20.0	ND	113	32-152%	---	---	
1,1-Dichloroethane	19.9	0.200	0.400	ug/L	1	20.0	ND	100	77-125%	---	---	
1,2-Dichloroethane (EDC)	20.3	0.200	0.400	ug/L	1	20.0	ND	102	73-128%	---	---	
1,1-Dichloroethene	20.3	0.200	0.400	ug/L	1	20.0	ND	101	71-131%	---	---	
cis-1,2-Dichloroethene	20.4	0.200	0.400	ug/L	1	20.0	0.268	101	78-123%	---	---	
trans-1,2-Dichloroethene	21.5	0.200	0.400	ug/L	1	20.0	ND	108	75-124%	---	---	
1,2-Dichloropropane	20.7	0.250	0.500	ug/L	1	20.0	ND	103	78-122%	---	---	
1,3-Dichloropropane	19.2	0.500	1.00	ug/L	1	20.0	ND	96	80-120%	---	---	
2,2-Dichloropropane	18.1	1.00	1.00	ug/L	1	20.0	ND	90	60-139%	---	---	Q-54l
1,1-Dichloropropene	22.5	0.500	1.00	ug/L	1	20.0	ND	113	79-125%	---	---	
cis-1,3-Dichloropropene	16.7	0.500	1.00	ug/L	1	20.0	ND	83	75-124%	---	---	
trans-1,3-Dichloropropene	17.5	0.500	1.00	ug/L	1	20.0	ND	87	73-127%	---	---	
Ethylbenzene	20.2	0.250	0.500	ug/L	1	20.0	ND	101	79-121%	---	---	
Hexachlorobutadiene	20.2	2.50	5.00	ug/L	1	20.0	ND	101	66-134%	---	---	
2-Hexanone	32.0	5.00	10.0	ug/L	1	40.0	ND	80	57-139%	---	---	
Isopropylbenzene	21.0	0.500	1.00	ug/L	1	20.0	ND	105	72-131%	---	---	
4-Isopropyltoluene	21.4	0.500	1.00	ug/L	1	20.0	ND	107	77-127%	---	---	
Methylene chloride	21.9	5.00	10.0	ug/L	1	20.0	ND	110	74-124%	---	---	
4-Methyl-2-pentanone (MiBK)	33.5	5.00	10.0	ug/L	1	40.0	ND	84	67-130%	---	---	
Methyl tert-butyl ether (MTBE)	17.5	0.500	1.00	ug/L	1	20.0	ND	87	71-124%	---	---	
Naphthalene	19.0	2.00	4.00	ug/L	1	20.0	ND	95	61-128%	---	---	
n-Propylbenzene	19.4	0.250	0.500	ug/L	1	20.0	ND	97	76-126%	---	---	
Styrene	0.596	0.500	1.00	ug/L	1	20.0	ND	**3**	**78-123%**	---	---	Q-02, J
1,1,1,2-Tetrachloroethane	21.5	0.200	0.400	ug/L	1	20.0	ND	107	78-124%	---	---	

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Philip Nerenberg, Lab Director

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040556 - EPA 5030B							**Water**					
Matrix Spike (1040556-MS1)			Prepared: 04/16/21 08:22		Analyzed: 04/16/21 11:42							
QC Source Sample: Non-SDG (A1D0471-02)												
1,1,2,2-Tetrachloroethane	18.4	0.250	0.500	ug/L	1	20.0	ND	92	71-121%	---	---	
Tetrachloroethene (PCE)	24.1	0.200	0.400	ug/L	1	20.0	1.89	111	74-129%	---	---	B-02
Toluene	18.9	0.500	1.00	ug/L	1	20.0	ND	94	80-121%	---	---	
1,2,3-Trichlorobenzene	25.8	1.00	2.00	ug/L	1	20.0	ND	129	69-129%	---	---	
1,2,4-Trichlorobenzene	25.6	1.00	2.00	ug/L	1	20.0	ND	128	69-130%	---	---	
1,1,1-Trichloroethane	21.2	0.200	0.400	ug/L	1	20.0	ND	106	74-131%	---	---	
1,1,2-Trichloroethane	20.7	0.250	0.500	ug/L	1	20.0	ND	103	80-120%	---	---	
Trichloroethene (TCE)	27.3	0.200	0.400	ug/L	1	20.0	2.18	**126**	**79-123%**	---	---	Q-54g
Trichlorofluoromethane	25.3	1.00	2.00	ug/L	1	20.0	ND	126	65-141%	---	---	
1,2,3-Trichloropropane	17.8	0.500	1.00	ug/L	1	20.0	ND	89	73-122%	---	---	
1,2,4-Trimethylbenzene	20.5	0.500	1.00	ug/L	1	20.0	ND	103	76-124%	---	---	
1,3,5-Trimethylbenzene	8.02	0.500	1.00	ug/L	1	20.0	ND	**40**	**75-124%**	---	---	Q-01
Vinyl chloride	22.6	0.200	0.400	ug/L	1	20.0	ND	113	58-137%	---	---	
m,p-Xylene	40.0	0.500	1.00	ug/L	1	40.0	ND	100	80-121%	---	---	
o-Xylene	18.7	0.250	0.500	ug/L	1	20.0	ND	94	78-122%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 109 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*93 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*93 %*		*80-120 %*			*"*				

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Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040427 - EPA 5030B												**Water**
Blank (1040427-BLK1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 12:39									
EPA 8260D SIM												
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 98 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*80 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*87 %*		*80-120 %*			*"*				
LCS (1040427-BS1)			Prepared: 04/13/21 09:00 Analyzed: 04/13/21 12:05									
EPA 8260D SIM												
1,2-Dibromoethane (EDB)	0.182	0.0100	0.0200	ug/L	1	0.200	---	91	80-120%	---	---	
Vinyl chloride	0.217	0.0100	0.0200	ug/L	1	0.200	---	109	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 100 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*86 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*87 %*		*80-120 %*			*"*				
Duplicate (1040427-DUP1)			Prepared: 04/13/21 12:29 Analyzed: 04/13/21 14:26									
QC Source Sample: GP01-GW-15-DUP (A1D0263-11)												
1,2-Dibromoethane (EDB)	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Vinyl chloride	ND	0.0100	0.0200	ug/L	1	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*87 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*87 %*		*80-120 %*			*"*				
Matrix Spike (1040427-MS1)			Prepared: 04/13/21 12:29 Analyzed: 04/13/21 17:59									
QC Source Sample: GP08-GW-15 (A1D0263-18)												
EPA 8260D SIM												
1,2-Dibromoethane (EDB)	0.179	0.0100	0.0200	ug/L	1	0.200	ND	90	77-121%	---	---	
Vinyl chloride	0.213	0.0100	0.0200	ug/L	1	0.200	ND	107	58-137%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 104 %*		*Limits: 80-120 %*			*Dilution: 1x*				
Toluene-d8 (Surr)			*87 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*86 %*		*80-120 %*			*"*				

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Philip Nerenberg, Lab Director

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Volatile Organic Compounds by EPA 8260D SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040641 - EPA 5035A							**Soil**					
Blank (1040641-BLK1)			Prepared: 04/19/21 11:00 Analyzed: 04/19/21 14:26									
5035A/8260D SIM												
1,2-Dibromoethane (EDB)	ND	0.667	1.33	ug/kg wet	100	---	---	---	---	---	---	
Vinyl chloride	ND	3.33	6.67	ug/kg wet	100	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 104 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*99 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*92 %*	*79-120 %*			*"*					
LCS (1040641-BS1)			Prepared: 04/19/21 11:00 Analyzed: 04/19/21 13:28									
5035A/8260D SIM												
1,2-Dibromoethane (EDB)	18.2	1.00	2.00	ug/kg wet	100	20.0	---	91	80-120%	---	---	
Vinyl chloride	16.3	5.00	10.0	ug/kg wet	100	20.0	---	81	80-120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 102 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*99 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*92 %*	*79-120 %*			*"*					
Duplicate (1040641-DUP1)			Prepared: 04/07/21 08:25 Analyzed: 04/19/21 16:12									
QC Source Sample: GP04-S-8 (A1D0263-04)												
5035A/8260D SIM												
1,2-Dibromoethane (EDB)	ND	1.40	2.80	ug/kg dry	100	---	ND	---	---	---	30%	
Vinyl chloride	ND	6.99	14.0	ug/kg dry	100	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*100 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*92 %*	*79-120 %*			*"*					
Matrix Spike (1040641-MS1)			Prepared: 04/07/21 10:10 Analyzed: 04/19/21 18:52									
QC Source Sample: GP08-S-6 (A1D0263-09)												
5035A/8260D SIM												
1,2-Dibromoethane (EDB)	24.0	1.37	2.73	ug/kg dry	100	27.3	ND	88	78-122%	---	---	
Vinyl chloride	15.1	6.83	13.7	ug/kg dry	100	27.3	ND	**55**	**56-135%**	---	---	Q-01
Surr: 1,4-Difluorobenzene (Surr)			*Recovery: 103 %*	*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)			*101 %*	*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)			*92 %*	*79-120 %*			*"*					

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Philip Nerenberg, Lab Director

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040302 - EPA 3546							Soil					
Blank (1040302-BLK1)			Prepared: 04/09/21 07:50 Analyzed: 04/09/21 10:10									
EPA 8270E SIM												
Acenaphthene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Dibenzofuran	ND	4.55	9.09	ug/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 98 %*	*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*101 %*	*54-127 %*			*"*					
LCS (1040302-BS1)			Prepared: 04/09/21 07:50 Analyzed: 04/09/21 10:35									
EPA 8270E SIM												
Acenaphthene	727	5.00	10.0	ug/kg wet	1	800	---	91	40-123%	---	---	
Acenaphthylene	761	5.00	10.0	ug/kg wet	1	800	---	95	32-132%	---	---	
Anthracene	672	5.00	10.0	ug/kg wet	1	800	---	84	47-123%	---	---	
Benz(a)anthracene	693	5.00	10.0	ug/kg wet	1	800	---	87	49-126%	---	---	
Benzo(a)pyrene	682	5.00	10.0	ug/kg wet	1	800	---	85	45-129%	---	---	
Benzo(b)fluoranthene	621	5.00	10.0	ug/kg wet	1	800	---	78	45-132%	---	---	
Benzo(k)fluoranthene	635	5.00	10.0	ug/kg wet	1	800	---	79	47-132%	---	---	
Benzo(g,h,i)perylene	688	5.00	10.0	ug/kg wet	1	800	---	86	43-134%	---	---	
Chrysene	729	5.00	10.0	ug/kg wet	1	800	---	91	50-124%	---	---	

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040302 - EPA 3546							Soil					
LCS (1040302-BS1)			Prepared: 04/09/21 07:50		Analyzed: 04/09/21 10:35							
Dibenz(a,h)anthracene	747	5.00	10.0	ug/kg wet	1	800	---	93	45-134%	---	---	
Fluoranthene	599	5.00	10.0	ug/kg wet	1	800	---	75	50-127%	---	---	
Fluorene	669	5.00	10.0	ug/kg wet	1	800	---	84	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	676	5.00	10.0	ug/kg wet	1	800	---	85	45-133%	---	---	
1-Methylnaphthalene	671	5.00	10.0	ug/kg wet	1	800	---	84	40-120%	---	---	
2-Methylnaphthalene	680	5.00	10.0	ug/kg wet	1	800	---	85	38-122%	---	---	
Naphthalene	659	5.00	10.0	ug/kg wet	1	800	---	82	35-123%	---	---	
Phenanthrene	668	5.00	10.0	ug/kg wet	1	800	---	83	50-121%	---	---	
Pyrene	585	5.00	10.0	ug/kg wet	1	800	---	73	47-127%	---	---	
Dibenzofuran	687	5.00	10.0	ug/kg wet	1	800	---	86	44-120%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 94 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*91 %*		*54-127 %*				*"*			
Duplicate (1040302-DUP1)			Prepared: 04/09/21 07:50		Analyzed: 04/09/21 11:26							
QC Source Sample: Non-SDG (A1C1084-01)												
Acenaphthene	ND	317	317	ug/kg dry	1	---	ND	---	---	---	30%	R-02
Acenaphthylene	ND	103	103	ug/kg dry	1	---	ND	---	---	---	30%	R-02
Anthracene	ND	103	103	ug/kg dry	1	---	ND	---	---	---	30%	R-02
Benz(a)anthracene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(a)pyrene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(b)fluoranthene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(k)fluoranthene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
Benzo(g,h,i)perylene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
Chrysene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
Dibenz(a,h)anthracene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
Fluoranthene	**14.9**	6.41	12.8	ug/kg dry	1	---	8.11	---	---	**59**	**30%**	Q-17
Fluorene	ND	94.9	94.9	ug/kg dry	1	---	ND	---	---	---	30%	R-02
Indeno(1,2,3-cd)pyrene	ND	6.41	12.8	ug/kg dry	1	---	ND	---	---	---	30%	
1-Methylnaphthalene	**99.1**	6.41	12.8	ug/kg dry	1	---	53.4	---	---	**60**	**30%**	Q-17
2-Methylnaphthalene	**23.6**	6.41	12.8	ug/kg dry	1	---	12.3	---	---	**63**	**30%**	Q-17
Naphthalene	ND	28.2	28.2	ug/kg dry	1	---	ND	---	---	---	30%	R-02
Phenanthrene	**1950**	6.41	12.8	ug/kg dry	1	---	1090	---	---	**57**	**30%**	Q-17
Pyrene	**30.4**	6.41	12.8	ug/kg dry	1	---	16.5	---	---	**59**	**30%**	Q-17
Dibenzofuran	**253**	6.41	12.8	ug/kg dry	1	---	142	---	---	**56**	**30%**	Q-17

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040302 - EPA 3546							Soil					
Duplicate (1040302-DUP1)			Prepared: 04/09/21 07:50 Analyzed: 04/09/21 11:26									
QC Source Sample: Non-SDG (A1C1084-01)												
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 82 %*	*Limits: 44-120 %*					*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*89 %*	*54-127 %*					*"*			
Matrix Spike (1040302-MS1)			Prepared: 04/09/21 07:50 Analyzed: 04/09/21 12:42									
QC Source Sample: GP08-S-6 (A1D0263-09)												
EPA 8270E SIM												
Acenaphthene	854	6.27	12.5	ug/kg dry	1	1000	ND	85	40-123%	---	---	
Acenaphthylene	892	6.27	12.5	ug/kg dry	1	1000	ND	89	32-132%	---	---	
Anthracene	793	6.27	12.5	ug/kg dry	1	1000	ND	79	47-123%	---	---	
Benz(a)anthracene	805	6.27	12.5	ug/kg dry	1	1000	ND	80	49-126%	---	---	
Benzo(a)pyrene	781	6.27	12.5	ug/kg dry	1	1000	ND	78	45-129%	---	---	
Benzo(b)fluoranthene	699	6.27	12.5	ug/kg dry	1	1000	ND	70	45-132%	---	---	
Benzo(k)fluoranthene	725	6.27	12.5	ug/kg dry	1	1000	ND	72	47-132%	---	---	
Benzo(g,h,i)perylene	796	6.27	12.5	ug/kg dry	1	1000	ND	79	43-134%	---	---	
Chrysene	832	6.27	12.5	ug/kg dry	1	1000	ND	83	50-124%	---	---	
Dibenz(a,h)anthracene	849	6.27	12.5	ug/kg dry	1	1000	ND	85	45-134%	---	---	
Fluoranthene	658	6.27	12.5	ug/kg dry	1	1000	ND	66	50-127%	---	---	
Fluorene	778	6.27	12.5	ug/kg dry	1	1000	ND	78	43-125%	---	---	
Indeno(1,2,3-cd)pyrene	770	6.27	12.5	ug/kg dry	1	1000	ND	77	45-133%	---	---	
1-Methylnaphthalene	793	6.27	12.5	ug/kg dry	1	1000	ND	79	40-120%	---	---	
2-Methylnaphthalene	805	6.27	12.5	ug/kg dry	1	1000	ND	80	38-122%	---	---	
Naphthalene	779	6.27	12.5	ug/kg dry	1	1000	ND	78	35-123%	---	---	
Phenanthrene	780	6.27	12.5	ug/kg dry	1	1000	ND	78	50-121%	---	---	
Pyrene	638	6.27	12.5	ug/kg dry	1	1000	ND	64	47-127%	---	---	
Dibenzofuran	804	6.27	12.5	ug/kg dry	1	1000	ND	80	44-120%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 87 %*	*Limits: 44-120 %*					*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*90 %*	*54-127 %*					*"*			

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040310 - EPA 3510C (Acid Extraction)							Water					
Blank (1040310-BLK1)			Prepared: 04/09/21 09:52 Analyzed: 04/09/21 15:13									
EPA 8270E SIM												
Acenaphthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Acenaphthylene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Chrysene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Fluoranthene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Fluorene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	
Naphthalene	ND	0.0364	0.0727	ug/L	1	---	---	---	---	---	---	
Phenanthrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Pyrene	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Dibenzofuran	ND	0.0182	0.0364	ug/L	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 83 %*		*Limits: 44-120 %*			*Dilution: 1x*				
p-Terphenyl-d14 (Surr)			*92 %*		*50-134 %*			*"*				
LCS (1040310-BS1)			Prepared: 04/09/21 09:52 Analyzed: 04/09/21 15:39									
EPA 8270E SIM												
Acenaphthene	6.42	0.0200	0.0400	ug/L	1	8.00	---	80	47-122%	---	---	
Acenaphthylene	6.62	0.0200	0.0400	ug/L	1	8.00	---	83	41-130%	---	---	
Anthracene	6.75	0.0200	0.0400	ug/L	1	8.00	---	84	57-123%	---	---	
Benz(a)anthracene	7.11	0.0200	0.0400	ug/L	1	8.00	---	89	58-125%	---	---	
Benzo(a)pyrene	7.03	0.0200	0.0400	ug/L	1	8.00	---	88	54-128%	---	---	
Benzo(b)fluoranthene	6.39	0.0200	0.0400	ug/L	1	8.00	---	80	53-131%	---	---	
Benzo(k)fluoranthene	6.39	0.0200	0.0400	ug/L	1	8.00	---	80	57-129%	---	---	
Benzo(g,h,i)perylene	7.09	0.0200	0.0400	ug/L	1	8.00	---	89	50-134%	---	---	
Chrysene	7.13	0.0200	0.0400	ug/L	1	8.00	---	89	59-123%	---	---	

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Philip Nerenberg, Lab Director

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040310 - EPA 3510C (Acid Extraction)							**Water**					
LCS (1040310-BS1)			Prepared: 04/09/21 09:52		Analyzed: 04/09/21 15:39							
Dibenz(a,h)anthracene	7.40	0.0200	0.0400	ug/L	1	8.00	---	93	51-134%	---	---	
Fluoranthene	6.28	0.0200	0.0400	ug/L	1	8.00	---	79	57-128%	---	---	
Fluorene	6.26	0.0200	0.0400	ug/L	1	8.00	---	78	52-124%	---	---	
Indeno(1,2,3-cd)pyrene	6.87	0.0200	0.0400	ug/L	1	8.00	---	86	52-134%	---	---	
1-Methylnaphthalene	5.68	0.0400	0.0800	ug/L	1	8.00	---	71	41-120%	---	---	
2-Methylnaphthalene	5.67	0.0400	0.0800	ug/L	1	8.00	---	71	40-121%	---	---	
Naphthalene	5.43	0.0400	0.0800	ug/L	1	8.00	---	68	40-121%	---	---	
Phenanthrene	6.68	0.0200	0.0400	ug/L	1	8.00	---	83	59-120%	---	---	
Pyrene	6.21	0.0200	0.0400	ug/L	1	8.00	---	78	57-126%	---	---	
Dibenzofuran	6.20	0.0200	0.0400	ug/L	1	8.00	---	77	53-120%	---	---	
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 81 %*		*Limits: 44-120 %*				*Dilution: 1x*			
p-Terphenyl-d14 (Surr)			*90 %*		*50-134 %*				*"*			
LCS Dup (1040310-BSD1)			Prepared: 04/09/21 09:52		Analyzed: 04/09/21 16:04							**Q-19**
EPA 8270E SIM												
Acenaphthene	7.38	0.0200	0.0400	ug/L	1	8.00	---	92	47-122%	14	30%	
Acenaphthylene	7.61	0.0200	0.0400	ug/L	1	8.00	---	95	41-130%	14	30%	
Anthracene	7.29	0.0200	0.0400	ug/L	1	8.00	---	91	57-123%	8	30%	
Benz(a)anthracene	7.44	0.0200	0.0400	ug/L	1	8.00	---	93	58-125%	5	30%	
Benzo(a)pyrene	7.38	0.0200	0.0400	ug/L	1	8.00	---	92	54-128%	5	30%	
Benzo(b)fluoranthene	6.65	0.0200	0.0400	ug/L	1	8.00	---	83	53-131%	4	30%	
Benzo(k)fluoranthene	6.74	0.0200	0.0400	ug/L	1	8.00	---	84	57-129%	5	30%	
Benzo(g,h,i)perylene	7.40	0.0200	0.0400	ug/L	1	8.00	---	93	50-134%	4	30%	
Chrysene	7.49	0.0200	0.0400	ug/L	1	8.00	---	94	59-123%	5	30%	
Dibenz(a,h)anthracene	7.78	0.0200	0.0400	ug/L	1	8.00	---	97	51-134%	5	30%	
Fluoranthene	6.47	0.0200	0.0400	ug/L	1	8.00	---	81	57-128%	3	30%	
Fluorene	6.96	0.0200	0.0400	ug/L	1	8.00	---	87	52-124%	11	30%	
Indeno(1,2,3-cd)pyrene	7.09	0.0200	0.0400	ug/L	1	8.00	---	89	52-134%	3	30%	
1-Methylnaphthalene	6.53	0.0400	0.0800	ug/L	1	8.00	---	82	41-120%	14	30%	
2-Methylnaphthalene	6.56	0.0400	0.0800	ug/L	1	8.00	---	82	40-121%	15	30%	
Naphthalene	6.30	0.0400	0.0800	ug/L	1	8.00	---	79	40-121%	15	30%	
Phenanthrene	7.23	0.0200	0.0400	ug/L	1	8.00	---	90	59-120%	8	30%	
Pyrene	6.37	0.0200	0.0400	ug/L	1	8.00	---	80	57-126%	3	30%	
Dibenzofuran	7.00	0.0200	0.0400	ug/L	1	8.00	---	88	53-120%	12	30%	

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Philip Nerenberg, Lab Director

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Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040310 - EPA 3510C (Acid Extraction)												**Water**
LCS Dup (1040310-BSD1)				Prepared: 04/09/21 09:52 Analyzed: 04/09/21 16:04								**Q-19**
Surr: 2-Fluorobiphenyl (Surr)			*Recovery: 91 %*	*Limits: 44-120 %*	*Dilution: 1x*							
p-Terphenyl-d14 (Surr)			*89 %*	*50-134 %*	*"*							

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1040303 - Total Solids (Dry Weight)							Soil					
Duplicate (1040303-DUP1)			Prepared: 04/09/21 07:51		Analyzed: 04/12/21 07:51							
QC Source Sample: Non-SDG (A1D0221-01)												
% Solids	**56.3**	1.00	1.00	%	1	---	57.6	---	---	2	10%	
Duplicate (1040303-DUP2)			Prepared: 04/09/21 07:51		Analyzed: 04/12/21 07:51							
QC Source Sample: GP07-S-6 (A1D0263-08)												
EPA 8000D												
% Solids	**78.7**	1.00	1.00	%	1	---	78.7	---	---	0.04	10%	
Duplicate (1040303-DUP3)			Prepared: 04/09/21 07:51		Analyzed: 04/12/21 07:51							
QC Source Sample: Non-SDG (A1D0286-01)												
% Solids	**84.2**	1.00	1.00	%	1	---	84.5	---	---	0.4	10%	
Duplicate (1040303-DUP4)			Prepared: 04/09/21 20:27		Analyzed: 04/12/21 07:51							
QC Source Sample: Non-SDG (A1D0337-01)												
% Solids	**76.3**	1.00	1.00	%	1	---	76.0	---	---	0.4	10%	
Duplicate (1040303-DUP5)			Prepared: 04/09/21 20:27		Analyzed: 04/12/21 07:51							
QC Source Sample: Non-SDG (A1D0371-01)												
% Solids	**77.7**	1.00	1.00	%	1	---	77.9	---	---	0.2	10%	
Duplicate (1040303-DUP6)			Prepared: 04/09/21 20:27		Analyzed: 04/12/21 07:51							
QC Source Sample: Non-SDG (A1D0378-02)												
% Solids	**86.9**	1.00	1.00	%	1	---	87.3	---	---	0.4	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040261							
A1D0263-10	Water	NWTPH-Dx LL	04/06/21 13:10	04/08/21 13:12	980mL/2mL	1000mL/2mL	1.02
A1D0263-11	Water	NWTPH-Dx LL	04/06/21 13:10	04/08/21 13:12	970mL/2mL	1000mL/2mL	1.03
A1D0263-12	Water	NWTPH-Dx LL	04/07/21 09:50	04/08/21 13:12	1020mL/2mL	1000mL/2mL	0.98
A1D0263-13	Water	NWTPH-Dx LL	04/07/21 11:50	04/08/21 13:12	1030mL/2mL	1000mL/2mL	0.97
A1D0263-14	Water	NWTPH-Dx LL	04/07/21 09:00	04/08/21 13:12	960mL/2mL	1000mL/2mL	1.04
A1D0263-15	Water	NWTPH-Dx LL	04/06/21 12:05	04/08/21 13:12	890mL/2mL	1000mL/2mL	1.12
A1D0263-16	Water	NWTPH-Dx LL	04/06/21 16:15	04/08/21 13:12	1010mL/2mL	1000mL/2mL	0.99
A1D0263-17	Water	NWTPH-Dx LL	04/06/21 15:00	04/08/21 13:12	920mL/2mL	1000mL/2mL	1.09
A1D0263-18	Water	NWTPH-Dx LL	04/07/21 10:45	04/08/21 13:12	970mL/2mL	1000mL/2mL	1.03

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040332							
A1D0263-01	Soil	NWTPH-Dx	04/06/21 12:50	04/09/21 13:09	10.61g/5mL	10g/5mL	0.94
A1D0263-02	Soil	NWTPH-Dx	04/07/21 09:15	04/09/21 13:09	10.27g/5mL	10g/5mL	0.97
A1D0263-03	Soil	NWTPH-Dx	04/07/21 11:15	04/09/21 13:09	10.32g/5mL	10g/5mL	0.97
A1D0263-04	Soil	NWTPH-Dx	04/07/21 08:25	04/09/21 13:09	10.57g/5mL	10g/5mL	0.95
A1D0263-05	Soil	NWTPH-Dx	04/06/21 11:30	04/09/21 13:09	10.13g/5mL	10g/5mL	0.99
Batch: 1040449							
A1D0263-06	Soil	NWTPH-Dx	04/06/21 15:35	04/13/21 13:16	10.3g/5mL	10g/5mL	0.97
A1D0263-07RE1	Soil	NWTPH-Dx	04/06/21 15:35	04/13/21 13:16	10.37g/5mL	10g/5mL	0.96
A1D0263-08	Soil	NWTPH-Dx	04/06/21 14:10	04/13/21 13:16	10.14g/5mL	10g/5mL	0.99
A1D0263-09	Soil	NWTPH-Dx	04/07/21 10:10	04/13/21 13:16	10.24g/5mL	10g/5mL	0.98

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040359							
A1D0263-10	Water	NWTPH-Gx (MS)	04/06/21 13:10	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-11	Water	NWTPH-Gx (MS)	04/06/21 13:10	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-12	Water	NWTPH-Gx (MS)	04/07/21 09:50	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-13	Water	NWTPH-Gx (MS)	04/07/21 11:50	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-14	Water	NWTPH-Gx (MS)	04/07/21 09:00	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-15	Water	NWTPH-Gx (MS)	04/06/21 12:05	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00

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ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

SAMPLE PREPARATION INFORMATION

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A1D0263-16	Water	NWTPH-Gx (MS)	04/06/21 16:15	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-17	Water	NWTPH-Gx (MS)	04/06/21 15:00	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-18	Water	NWTPH-Gx (MS)	04/07/21 10:45	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040368							
A1D0263-01	Soil	NWTPH-Gx (MS)	04/06/21 12:50	04/06/21 12:50	5.5g/5mL	5g/5mL	0.91
A1D0263-02	Soil	NWTPH-Gx (MS)	04/07/21 09:15	04/07/21 09:15	5.93g/5mL	5g/5mL	0.84
A1D0263-04	Soil	NWTPH-Gx (MS)	04/07/21 08:25	04/07/21 08:25	4.87g/5mL	5g/5mL	1.03
A1D0263-05	Soil	NWTPH-Gx (MS)	04/06/21 11:30	04/06/21 11:30	6.25g/5mL	5g/5mL	0.80
A1D0263-06	Soil	NWTPH-Gx (MS)	04/06/21 15:35	04/06/21 15:35	6.03g/5mL	5g/5mL	0.83
A1D0263-07	Soil	NWTPH-Gx (MS)	04/06/21 15:35	04/06/21 15:35	4.24g/5mL	5g/5mL	1.18
A1D0263-08	Soil	NWTPH-Gx (MS)	04/06/21 14:10	04/06/21 14:10	4.43g/5mL	5g/5mL	1.13
Batch: 1040426							
A1D0263-03	Soil	NWTPH-Gx (MS)	04/07/21 11:15	04/07/21 11:15	4.12g/5mL	5g/5mL	1.21
A1D0263-09	Soil	NWTPH-Gx (MS)	04/07/21 10:10	04/07/21 10:10	5.67g/5mL	5g/5mL	0.88

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040359							
A1D0263-13	Water	EPA 8260D	04/07/21 11:50	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-15	Water	EPA 8260D	04/06/21 12:05	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-16	Water	EPA 8260D	04/06/21 16:15	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-18	Water	EPA 8260D	04/07/21 10:45	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
A1D0263-19	Water	EPA 8260D	04/07/21 00:00	04/12/21 09:00	5mL/5mL	5mL/5mL	1.00
Batch: 1040556							
A1D0263-10RE1	Water	EPA 8260D	04/06/21 13:10	04/15/21 17:16	5mL/5mL	5mL/5mL	1.00
A1D0263-11RE1	Water	EPA 8260D	04/06/21 13:10	04/15/21 17:16	5mL/5mL	5mL/5mL	1.00
A1D0263-12RE1	Water	EPA 8260D	04/07/21 09:50	04/15/21 17:16	5mL/5mL	5mL/5mL	1.00
A1D0263-14RE1	Water	EPA 8260D	04/07/21 09:00	04/15/21 17:16	5mL/5mL	5mL/5mL	1.00
A1D0263-17RE1	Water	EPA 8260D	04/06/21 15:00	04/15/21 17:16	5mL/5mL	5mL/5mL	1.00

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040368							
A1D0263-01	Soil	5035A/8260D	04/06/21 12:50	04/06/21 12:50	5.5g/5mL	5g/5mL	0.91
A1D0263-02	Soil	5035A/8260D	04/07/21 09:15	04/07/21 09:15	5.93g/5mL	5g/5mL	0.84
A1D0263-04	Soil	5035A/8260D	04/07/21 08:25	04/07/21 08:25	4.87g/5mL	5g/5mL	1.03
A1D0263-05	Soil	5035A/8260D	04/06/21 11:30	04/06/21 11:30	6.25g/5mL	5g/5mL	0.80
A1D0263-06	Soil	5035A/8260D	04/06/21 15:35	04/06/21 15:35	6.03g/5mL	5g/5mL	0.83
A1D0263-07	Soil	5035A/8260D	04/06/21 15:35	04/06/21 15:35	4.24g/5mL	5g/5mL	1.18
A1D0263-08	Soil	5035A/8260D	04/06/21 14:10	04/06/21 14:10	4.43g/5mL	5g/5mL	1.13
Batch: 1040426							
A1D0263-03	Soil	5035A/8260D	04/07/21 11:15	04/07/21 11:15	4.12g/5mL	5g/5mL	1.21
A1D0263-09	Soil	5035A/8260D	04/07/21 10:10	04/07/21 10:10	5.67g/5mL	5g/5mL	0.88
Batch: 1040492							
A1D0263-03RE1	Soil	5035A/8260D	04/07/21 11:15	04/07/21 11:15	4.12g/5mL	5g/5mL	1.21

Volatile Organic Compounds by EPA 8260D SIM

Prep: EPA 5030B

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040427							
A1D0263-10	Water	EPA 8260D SIM	04/06/21 13:10	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-11	Water	EPA 8260D SIM	04/06/21 13:10	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-12	Water	EPA 8260D SIM	04/07/21 09:50	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-13	Water	EPA 8260D SIM	04/07/21 11:50	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-14	Water	EPA 8260D SIM	04/07/21 09:00	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-15	Water	EPA 8260D SIM	04/06/21 12:05	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-16	Water	EPA 8260D SIM	04/06/21 16:15	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-17	Water	EPA 8260D SIM	04/06/21 15:00	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-18	Water	EPA 8260D SIM	04/07/21 10:45	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00
A1D0263-19	Water	EPA 8260D SIM	04/07/21 00:00	04/13/21 12:29	5mL/5mL	5mL/5mL	1.00

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040641							
A1D0263-01	Soil	5035A/8260D SIM	04/06/21 12:50	04/06/21 12:50	5.5g/5mL	5g/5mL	0.91
A1D0263-02	Soil	5035A/8260D SIM	04/07/21 09:15	04/07/21 09:15	5.93g/5mL	5g/5mL	0.84
A1D0263-04	Soil	5035A/8260D SIM	04/07/21 08:25	04/07/21 08:25	4.87g/5mL	5g/5mL	1.03

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Philip Nerenberg, Lab Director

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Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

SAMPLE PREPARATION INFORMATION

Volatile Organic Compounds by EPA 8260D SIM

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A1D0263-05	Soil	5035A/8260D SIM	04/06/21 11:30	04/06/21 11:30	6.25g/5mL	5g/5mL	0.80
A1D0263-06	Soil	5035A/8260D SIM	04/06/21 15:35	04/06/21 15:35	6.03g/5mL	5g/5mL	0.83
A1D0263-07	Soil	5035A/8260D SIM	04/06/21 15:35	04/06/21 15:35	4.24g/5mL	5g/5mL	1.18
A1D0263-08	Soil	5035A/8260D SIM	04/06/21 14:10	04/06/21 14:10	4.43g/5mL	5g/5mL	1.13
A1D0263-09	Soil	5035A/8260D SIM	04/07/21 10:10	04/07/21 10:10	5.67g/5mL	5g/5mL	0.88

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E SIM

Prep: EPA 3510C (Acid Extraction)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040310							
A1D0263-10	Water	EPA 8270E SIM	04/06/21 13:10	04/09/21 09:52	900mL/2mL	1000mL/2mL	1.11
A1D0263-11	Water	EPA 8270E SIM	04/06/21 13:10	04/09/21 13:56	870mL/2mL	1000mL/2mL	1.15
A1D0263-12	Water	EPA 8270E SIM	04/07/21 09:50	04/09/21 13:56	950mL/2mL	1000mL/2mL	1.05
A1D0263-13	Water	EPA 8270E SIM	04/07/21 11:50	04/09/21 13:56	950mL/2mL	1000mL/2mL	1.05
A1D0263-13RE1	Water	EPA 8270E SIM	04/07/21 11:50	04/09/21 13:56	950mL/2mL	1000mL/2mL	1.05
A1D0263-14	Water	EPA 8270E SIM	04/07/21 09:00	04/09/21 13:56	960mL/2mL	1000mL/2mL	1.04
A1D0263-15	Water	EPA 8270E SIM	04/06/21 12:05	04/09/21 13:56	880mL/2mL	1000mL/2mL	1.14
A1D0263-16	Water	EPA 8270E SIM	04/06/21 16:15	04/09/21 13:56	940mL/2mL	1000mL/2mL	1.06
A1D0263-17	Water	EPA 8270E SIM	04/06/21 15:00	04/09/21 13:56	900mL/2mL	1000mL/2mL	1.11
A1D0263-18	Water	EPA 8270E SIM	04/07/21 10:45	04/09/21 13:56	920mL/2mL	1000mL/2mL	1.09

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040302							
A1D0263-01RE1	Soil	EPA 8270E SIM	04/06/21 12:50	04/09/21 07:50	10.2g/5mL	10g/5mL	0.98
A1D0263-02	Soil	EPA 8270E SIM	04/07/21 09:15	04/09/21 07:50	10.59g/5mL	10g/5mL	0.94
A1D0263-03	Soil	EPA 8270E SIM	04/07/21 11:15	04/09/21 07:50	10.12g/5mL	10g/5mL	0.99
A1D0263-04	Soil	EPA 8270E SIM	04/07/21 08:25	04/09/21 07:50	10.02g/5mL	10g/5mL	1.00
A1D0263-05	Soil	EPA 8270E SIM	04/06/21 11:30	04/09/21 07:50	10.47g/5mL	10g/5mL	0.96
A1D0263-06	Soil	EPA 8270E SIM	04/06/21 15:35	04/09/21 07:50	10.18g/5mL	10g/5mL	0.98
A1D0263-07	Soil	EPA 8270E SIM	04/06/21 15:35	04/09/21 07:50	10.13g/5mL	10g/5mL	0.99
A1D0263-08	Soil	EPA 8270E SIM	04/06/21 14:10	04/09/21 07:50	10.11g/5mL	10g/5mL	0.99
A1D0263-09	Soil	EPA 8270E SIM	04/07/21 10:10	04/09/21 07:50	10.18g/5mL	10g/5mL	0.98

Percent Dry Weight

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Philip Nerenberg, Lab Director

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: Former Planter's Hotel Site	
3140 NE Broadway Street	Project Number: 0346.11.02	Report ID:
Portland, OR 97232	Project Manager: David Weatherby	A1D0263 - 04 22 21 1248

SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1040303							
A1D0263-01	Soil	EPA 8000D	04/06/21 12:50	04/09/21 07:51			NA
A1D0263-02	Soil	EPA 8000D	04/07/21 09:15	04/09/21 07:51			NA
A1D0263-03	Soil	EPA 8000D	04/07/21 11:15	04/09/21 07:51			NA
A1D0263-04	Soil	EPA 8000D	04/07/21 08:25	04/09/21 07:51			NA
A1D0263-05	Soil	EPA 8000D	04/06/21 11:30	04/09/21 07:51			NA
A1D0263-06	Soil	EPA 8000D	04/06/21 15:35	04/09/21 07:51			NA
A1D0263-07	Soil	EPA 8000D	04/06/21 15:35	04/09/21 07:51			NA
A1D0263-08	Soil	EPA 8000D	04/06/21 14:10	04/09/21 07:51			NA
A1D0263-09	Soil	EPA 8000D	04/07/21 10:10	04/09/21 07:51			NA

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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B-02	Analyte detected in an associated blank at a level between one-half the MRL and the MRL. (See Notes and Conventions below.)
F-09	Results in the Gasoline Range are impacted by the overlap of a heavier fuel hydrocarbon product.
F-13	The chromatographic pattern does not resemble the fuel standard used for quantitation
F-15	Results for diesel are estimated due to overlap from the reported oil result.
F-16	Results for oil are estimated due to overlap from the reported diesel result.
J	Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
M-02	Due to matrix interference, this analyte cannot be accurately quantified. The reported result is estimated.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-02	Spike recovery is outside of established control limits due to matrix interference.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-17	RPD between original and duplicate sample is outside of established control limits.
Q-19	Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
Q-54	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +1%. The results are reported as Estimated Values.
Q-54a	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +16%. The results are reported as Estimated Values.
Q-54b	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +19%. The results are reported as Estimated Values.
Q-54c	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +22%. The results are reported as Estimated Values.
Q-54d	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +3%. The results are reported as Estimated Values.
Q-54e	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +4%. The results are reported as Estimated Values.
Q-54f	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +48%. The results are reported as Estimated Values.

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Philip Nerenberg, Lab Director

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Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
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Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

Q-54g	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +5%. The results are reported as Estimated Values.
Q-54h	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by +6%. The results are reported as Estimated Values.
Q-54i	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -1%. The results are reported as Estimated Values.
Q-54j	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -2%. The results are reported as Estimated Values.
Q-54k	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -5%. The results are reported as Estimated Values.
Q-54l	Daily Continuing Calibration Verification recovery for this analyte failed the +/-20% criteria listed in EPA method 8260/8270 by -6%. The results are reported as Estimated Values.
Q-55	Daily CCV/LCS recovery for this analyte was below the +/-20% criteria listed in EPA 8260, however there is adequate sensitivity to ensure detection at the reporting level.
Q-56	Daily CCV/LCS recovery for this analyte was above the +/-20% criteria listed in EPA 8260
R-02	The Reporting Limit for this analyte has been raised to account for interference from coeluting organic compounds present in the sample.
R-06	Reporting level raised due to possible carryover from a previous sample.
S-01	Surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
T-02	This Batch QC sample was analyzed outside of the method specified 12 hour analysis window. Results are estimated.
TEMP	Sample(s) received outside of recommended temperature. See Case Narrative.
V-01	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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Philip Nerenberg

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

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ANALYTICAL REPORT

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3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
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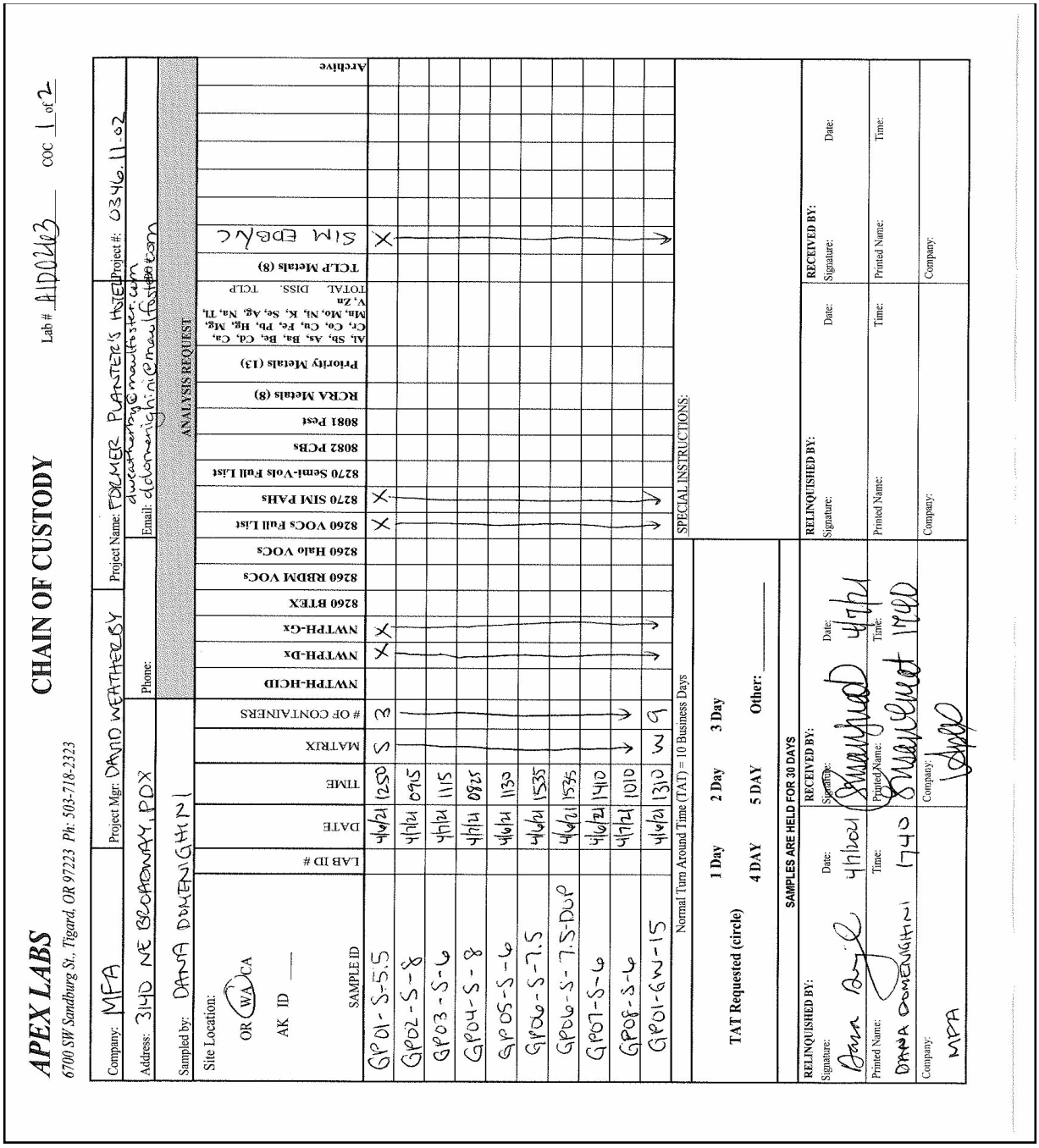

APEX LABS — CHAIN OF CUSTODY — Lab # A1D0263 — COC 1 of 2

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Company: MFA | Project Mgr: DAVID WEATHERBY | Project Name: FORMER PLANTER'S HOTEL | Project #: 0346.11.02

Address: 3140 NE BROADWAY, PDX | Phone: | Email: dweatherby@maulfoster.com

Sampled by: DANA DOMENIGHINI

Site Location: OR (WA) CA — AK ID ___

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	SIM EDB/DC	Archive
GP01-S-5.5		4/6/21	1250	S	3		X	X				X	X							X	
GP02-S-8		4/7/21	0915																		
GP03-S-6		4/7/21	1115																		
GP04-S-8		4/7/21	0825																		
GP05-S-6		4/6/21	1130																		
GP06-S-7.5		4/6/21	1535																		
GP06-S-7.5-DUP		4/6/21	1535																		
GP07-S-6		4/6/21	1410																		
GP08-S-6		4/7/21	1010																		
GP01-GW-15		4/6/21	1310	W	9																

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: Dana Domenighini Date: 4/7/21 Time: 1740 Printed Name: DANA DOMENIGHINI Company: MFA

RECEIVED BY: Signature: Date: 4/7/21 Time: 1740 Printed Name: Company:

RELINQUISHED BY: Signature: Date: Time: Printed Name: Company:

RECEIVED BY: Signature: Date: Time: Printed Name: Company:

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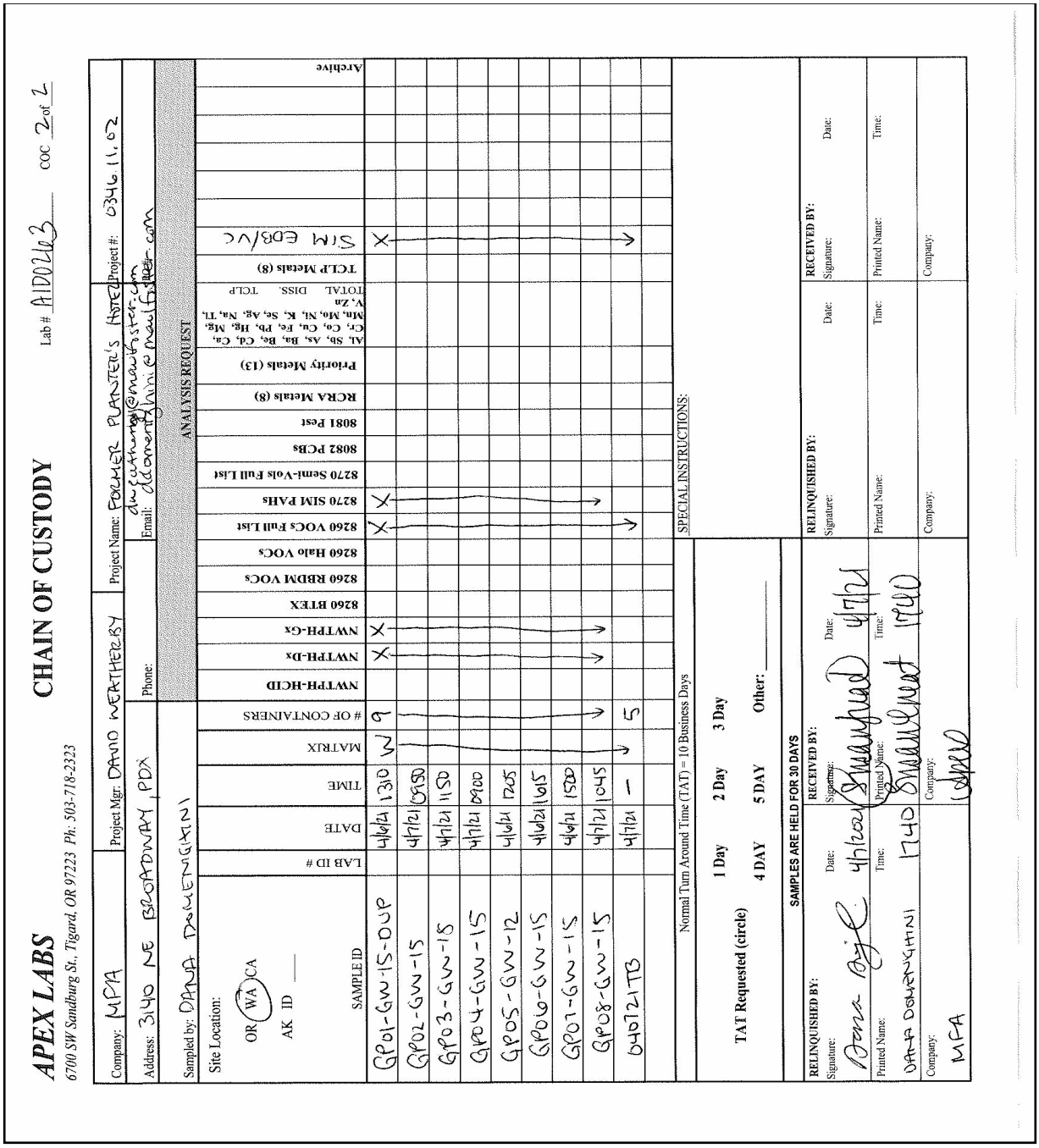
Philip Nerenberg, Lab Director

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**



APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A1D0263 COC 2 of 2

Company: MFA
Project Mgr: DAVID WEATHERBY
Phone:
Project Name: FORMER PLANTER'S HOTEL
Project #: 0346.11.02
Address: 3140 NE BROADWAY, PDX
Email: dweatherby@maulfoster.com; adamont@maulfoster.com
Sampled by: DANA DOWNINGTOWN

ANALYSIS REQUEST

Site Location: OR (WA) CA
AK ID ____

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	SIM EDB/DC	Archive
GP01-GW-15-DUP		4/6/21	1330	W	9		X	X				X	X							X	
GP02-GW-15		4/7/21	0950	W																	
GP03-GW-15		4/7/21	1150	W																	
GP04-GW-15		4/7/21	0900	W																	
GP05-GW-12		4/6/21	1205	W																	
GP06-GW-15		4/6/21	1615	W																	
GP07-GW-15		4/6/21	1500	W																	
GP08-GW-15		4/7/21	1045	W																	
040721TB		4/7/21	—	W	5																

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle)
1 Day 2 Day 3 Day
4 DAY 5 DAY Other: ____

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date:	Date: 4/7/21	Date:	Date:
Printed Name:	Printed Name:	Printed Name:	Printed Name:
Time:	Time: 1740	Time:	Time:
Company:	Company: MFA	Company:	Company:

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

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

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ANALYTICAL REPORT

Maul Foster & Alongi, INC.	Project: **Former Planter's Hotel Site**	
3140 NE Broadway Street	Project Number: **0346.11.02**	**Report ID:**
Portland, OR 97232	Project Manager: **David Weatherby**	**A1D0263 - 04 22 21 1248**

APEX LABS COOLER RECEIPT FORM

Client: MFA Element WO#: A1D0263

Project/Project #: Former Planter's Hotel / 0346.11.02

Delivery Info:

Date/time received: 4/7/21 @ 1740 By: SC

Delivered by: Apex ___ Client X ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 4/7/21 @ 1755 By: SC

Chain of Custody included? Yes X No ___ Custody seals? Yes ___ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	2.3	0.5	1.3	3.1			
Received on ice? (Y/N)	Y	Y	Y	Y			
Temp. blanks? (Y/N)	Y	Y	Y	Y			
Ice type: (Gel/Real/Other)	real	real	real	real			
Condition:	good	good	good	good			

Cooler out of temp? (Y/(N)) Possible reason why: ___

Green dots applied to out of temperature samples? Yes/(No)

Out of temperature samples form initiated? Yes/(No)

Sample Inspection: Date/time inspected: 4/8/21 @ 922 By: SC

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes X No ___ Comments: ___

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: ___

Do VOA vials have visible headspace? Yes X No ___ NA ___

Comments 1/5 vials GP01-GW-15-Dup + 3/4 TBs have HS, sd on all voas

Water samples: pH checked: Yes X No ___ NA ___ pH appropriate? ~~Yes~~ X No ___ NA ___

Comments: 2/2 HCl ambers GP07-GW-15 + GP08-GW-15 SC 4/8/21 pH ~7

Additional information: TB#2711

Labeled by: SC Witness: MS Cooler Inspected by: MK

Apex Laboratories

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Philip Nerenberg

Philip Nerenberg, Lab Director

APPENDIX G
DATA VALIDATION MEMORANDUM

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. 0346.11.02 | APRIL 23, 2021 | PORT OF SUNNYSIDE

Maul Foster & Alongi, Inc., (MFA) conducted an independent review of the quality of analytical results for groundwater and soil samples collected at the historical Planters Hotel site. The samples were collected on April 6 and 7, 2021.

Apex Laboratories, LLC, (Apex) performed the analyses. Apex report number A1D0263 was reviewed. The analyses performed and samples analyzed are listed below.

Analysis	Reference
Diesel-Range and Oil-Range Hydrocarbons	NWTPH-Dx
Gasoline Range Hydrocarbons	NWTPH-Gx
Percent Dry Weight	EPA 8000D
Polyaromatic Hydrocarbons	EPA 8270E-SIM
Volatile Organic Compounds	EPA 8260D-SIM
Volatile Organic Compounds	EPA 8260D

NOTES:
EPA = U.S. Environmental Protection Agency.
NWTPH = Northwest Total Petroleum Hydrocarbons.
SIM = Selected Ion Monitoring.

Samples Analyzed		
Report A1D0263		
GP01-S-5.5	GP07-S-6	GP05-GW-12
GP02-S-8	GP08-S-6	GP06-GW-15
GP03-S-6	GP01-GW-15	GP07-GW-15
GP04-S-8	GP01-GW-15-DUP	GP08-GW-15
GP05-S-6	GP02-GW-15	040721TB
GP06-S-7.5	GP03-GW-15	--
GP06-S-7.5-DUP	GP04-GW-15	--

DATA QUALIFICATIONS

Analytical results were evaluated according to applicable sections of EPA procedures (EPA, 2017) and appropriate laboratory and method-specific guidelines (Apex, 2019; EPA, 1986).

Data validation procedures were modified, as appropriate, to accommodate quality-control requirements for methods not specifically addressed by the EPA procedures (e.g., NWTPH-Dx).

In report A1D0263, the NWTPH-Gx gasoline range hydrocarbon result from sample GP03-S-6 was flagged by Apex as impacted by the overlap of fuel hydrocarbon product. The results were qualified by the reviewer with a "J" as estimated in the table below.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
A1D0263	GP03-S-6	Gasoline Range Hydrocarbons	3,130	3,130 J
NOTES: J = Result is estimated. mg/kg = milligrams per kilogram.				

In report A1D0263, the NWTPH-Dx diesel-range hydrocarbon result for sample GP03-S-6 was qualified by Apex as an elevated result due to overlap from the reported oil-range hydrocarbon result. The oil-range hydrocarbon result was flagged by Apex as estimated due to overlap from the reported diesel-range hydrocarbon result. The results were qualified by the reviewer with a "J" as estimated in the table below.

Report	Sample	Component	Original Result (mg/kg)	Qualified Result (mg/kg)
A1D0263	GP03-S-6	Diesel-Range Hydrocarbons	17,900	17,900 J
		Oil-Range Hydrocarbons	16,000	16,000 J
NOTES: J = Result is estimated. mg/kg = milligrams per kilogram.				

In report A1D0263, the NWTPH-Dx oil-range hydrocarbon result from sample GP03-GW-15 was flagged by Apex as estimated due to overlap from the reported diesel-range hydrocarbon result. The diesel-range hydrocarbon result was flagged by Apex as not resembling the fuel standard used for quantitation. The associated result was reported as diesel-range hydrocarbons; thus, qualification was not required. The oil-range hydrocarbon result was qualified by the reviewer with a "J" as estimated in the table below.

Report	Sample	Component	Original Result (mg/L)	Qualified Result (mg/L)
A1D0263	GP03-GW-15	Oil-Range Hydrocarbons	0.935	0.935 J
NOTES: J = Result is estimated. mg/L = milligrams per liter.				

In report A1D0263, the EPA Method 8270D-SIM benzo(b)fluoranthene and benzo(k)fluoranthene results from sample GP02-S-8 and the benzo(b)fluoranthene result from sample GP03-S-6 were flagged by Apex as estimated due to insufficient peak separation for structural isomers. The associated results have been qualified by the reviewer with "J" as estimated in the table below.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
A1D0263	GP02-S-8	Benzo(b)fluoranthene	1,180	1,180 J
		Benzo(k)fluoranthene	535	535 J
	GP03-S-6	Benzo(b)fluoranthene	868	868 J
NOTES: J = Result is estimated. ug/kg = microgram per kilogram.				

In report A1D0263, the EPA Method 8260D n-butylbenzene and 4-isopropyltoluene results from GP03-S-6 were flagged by Apex as estimated due to matrix interference. The results have been qualified by the reviewer with "J" as estimated in the table below.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
A1D0263	GP03-S-6	n-Butylbenzene	4,720	4,720 J
		4-Isopropyltoluene	2,920	2,920 J
NOTES: J = Result is estimated. ug/kg = microgram per kilogram.				

The data are considered acceptable for their intended use with the appropriate data qualifiers assigned.

HOLDING TIMES, PRESERVATION, AND SAMPLE STORAGE

Holding Times

Extractions and analyses were performed within the recommended holding time criteria.

Preservation and Sample Storage

Apex noted that in report A1D0263, the EPA Method 8260D-SIM analysis from sample 040721TB occurred from an aliquot taken from a VOA vial with headspace greater than a 6-millimeter diameter. The EPA Method 8260D-SIM results from sample 040721TB were qualified with "J" as estimated in the table below.

Report	Sample	Component	Original Result (ug/L)	Qualified Result (ug/L)
A1D0263	040721TB	1,2-Dibromoethane	0.0100 U	0.0100 UJ
		Vinyl chloride	0.0100 U	0.0100 UJ
NOTES: U = Result is non-detect. UJ = Result is non-detect with an estimated reporting limit. ug/L = micrograms per liter.				

Apex noted that both amber glass containers for samples GP07-GW-15 and GP08-GW-15 were received with a pH of 7. The lab acidified these samples on April 8, 2021, within the seven-day hold time. No further action was required.

The remaining samples were preserved and stored appropriately.

BLANKS

Method Blanks

Laboratory method blank analyses were performed at the required frequencies. For purposes of data qualification, the method blanks were associated with all samples prepared in the analytical batch. Where an analyte was detected in a sample and in the associated method blank, the sample result was qualified if the concentration was less than five times the method blank concentration. Method reporting limits (MRLs) were elevated to the concentration detected in the samples, and results were qualified as not detected "U" at the elevated MRL.

According to report A1D0263, the EPA Method 8260D batch 1040556 laboratory method blank (1040556-BLK1) had a tetrachloroethene detection between the detection limit and MRL, at a concentration of 0.307 ug/L. The associated tetrachloroethene results were non-detect; thus, no qualifications were necessary.

The remaining laboratory method blanks were non-detect at the detection limits.

Trip Blanks

One trip blank was submitted with report A1D0263 for EPA Method 8260D analysis. The trip blank was non-detect at the detection limits for all analytes.

Equipment Rinsate Blanks

Equipment rinsate blanks were not required for this sampling event, as all samples were collected using dedicated, single-use equipment.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance on individual samples.

The reviewer took no action based on minor surrogate outliers or surrogate percent recoveries that were outside of acceptance limits due to dilutions necessary to quantify high concentrations of target analytes present in the samples. The laboratory appropriately documented and qualified surrogate outliers. Associated batch quality assurance/quality control for samples with surrogate outliers was within acceptance limits.

All remaining surrogate recoveries were within acceptance limits.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

Matrix spike/matrix spike duplicate (MS/MSD) results are used to evaluate laboratory precision and accuracy. All MS/MSD samples were extracted and analyzed at the required frequency. When MS/MSD percent recoveries and relative percent difference (RPDs) were outside acceptance limits because of high concentrations of analyte in the sample, and MS/MSD exceedances were flagged by the laboratory because of high concentrations of analyte, no qualifications were made by the reviewer.

The NWTPH-Dx MS/MSD results were not reported in report A1D0263; batch precision and accuracy were evaluated with laboratory duplicate, laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) results.

The EPA Method 8270E-SIM batch 1040310 MS/MSD results were not reported in report A1D0263; batch precision and accuracy were evaluated with laboratory duplicate, LCS and LCSD results.

According to report A1D0263, the EPA Method 8260D batch 1040359 MS (1040359-MS1) bromoform, bromomethane, naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene recoveries exceeded the respective upper control limits, at 144 percent, 152 percent, 137 percent, 181 percent, and 176 percent, respectively. Bromoform, bromomethane, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene were non-detect; thus, no qualifications were necessary. The detected sample result was qualified in the table below.

Report	Sample	Component	Original Result (ug/L)	Qualified Result (ug/L)
A1D0263	GP03-GW-15	Naphthalene	32.2	32.2 J
NOTES: J = Result is estimated. ug/L = micrograms per liter.				

According to report A1D0263, the EPA Method 8260D batch 1040556 MS (1040556-MS1) bromochloromethane, bromomethane, styrene, trichloroethene, and 1,3,5-trimethylbenzene recoveries were outside of acceptable limits, ranging from 3 percent to 165 percent. The source sample was not project related; thus, no qualifications were necessary.

According to report A1D0263, the EPA Method 8260D-SIM batch 1040641 MS (1040641-MS1) vinyl chloride recovery was below the lower acceptance limit of 56 percent, at 55 percent. The detected sample result was qualified in the table below.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
A1D0263	GP08-S-6	Vinyl Chloride	6.83 U	6.83 UJ
NOTES: U = Result is non-detect. ug/kg = micrograms per kilogram. UJ = Result is non-detect with an estimated detection limit.				

All remaining recoveries were within acceptance limits for percent recovery and RPDs.

LABORATORY DUPLICATE RESULTS

Duplicate results are used to evaluate laboratory precision. All duplicate samples were extracted and analyzed at the required frequency. Laboratory duplicate results within five times the MRL were not evaluated for precision.

According to report A1D0263, the NWTPH-Gx batch 1040426 laboratory duplicate (1040426-DUP1) gasoline range hydrocarbon RPD exceeded the 30 percent limit, at 65 percent. The source sample was not project related; thus, no qualifications were necessary.

According to report A1D0263, the EPA Method 8260D batch 1040492 laboratory duplicates (1040492-DUP1 and 1040492-DUP2) had multiple RPD exceedances and were received outside of recommended temperature. The source sample was not project related; thus, no qualifications were necessary.

According to report A1D0263, the EPA Method 8270E-SIM batch 1040302 laboratory duplicate (1040302-DUP1) had multiple RPD exceedances. The source sample was not project related; thus, no qualifications were necessary.

All remaining laboratory duplicate RPDs were within acceptance limits.

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

An LCS/LCSD is spiked with target analytes to provide information on laboratory precision and accuracy. The LCS/LCSD samples were extracted and analyzed at the required frequency.

According to report A1D0263, the EPA Method 8260D batch 1040359 LCS (1040359-BS1) bromoform, bromomethane, carbon tetrachloride, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and trichlorofluoromethane recoveries exceeded the upper acceptance limit of 120 percent, at 139 percent, 142 percent, 126 percent, 124 percent, 126 percent, and 121 percent, respectively; and the chloromethane recovery was below the lower acceptance limit of 80 percent, at 75 percent. Bromoform, bromomethane, carbon tetrachloride, 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene and trichlorofluoromethane were non-detect in the associated samples; thus, no qualifications were necessary. The associated chloromethane results were qualified in the table below.

Report	Sample	Component	Original Result (ug/L)	Qualified Result (ug/L)
A1D0263	GP03-GW-15	Chloromethane	5.0 U	5.0 UJ
	GP05-GW-12		5.0 U	5.0 UJ
	GP06-GW-15		5.0 U	5.0 UJ
	GP08-GW-15		5.0 U	5.0 UJ

NOTES:
U = Result is non-detect.
ug/L = micrograms per liter.
UJ = Result is non-detect with an estimated reporting limit.

According to report A1D0263, the EPA Method 8260D batch 1040426 LCS (1040426-BS1) dichlorodifluoromethane recovery was below the lower acceptance limit of 80 percent, at 79 percent. The associated dichlorodifluoromethane results were qualified in the table below.

Report	Sample	Component	Original Result (ug/kg)	Qualified Result (ug/kg)
A1D0263	GP03-S-6	Dichlorodifluoromethane	1,600 U	1,600 UJ
	GP08-S-6		137 U	137 UJ
NOTES: U = Result is non-detect. ug/kg = micrograms per kilogram. UJ = Result is non-detect with an estimated reporting limit.				

According to report A1D0263, the EPA Method 8260D batch 1040492 LCS (1040492-BS1) 1,2-dibromo-3-chloropropane recovery was below the lower acceptance limit of 80 percent, at 78 percent. 1,2-Dibromo-3-chloropropane was reported from batch 1040426; thus, no qualifications were necessary.

According to report A1D0263, the EPA Method 8260D batch 1040556 LCS (1040556-BS1) bromochloromethane, bromomethane, chloroethane, and trichloroethene recoveries exceeded the upper acceptance limit of 120 percent, at 123 percent, 168 percent, 136 percent, and 125 percent, respectively; and the 1,2-dibromo-3-chloropropane and 2,2-dichloropropane recoveries were below the lower acceptance limit of 80 percent, at 78 percent and 74 percent, respectively. Bromochloromethane, bromomethane, chloroethane, and trichloroethene were non-detect in the associated samples; thus, no qualifications were necessary. The associated 1,2-dibromo-3-chloropropane and 2,2-dichloropropane results were qualified in the table below.

Report	Sample	Component	Original Result (ug/L)	Qualified Result (ug/L)
A1D0263	GP01-GW-15	1,2-Dibromo-3-chloropropane	5.0 U	5.0 UJ
		2,2-Dichloropropane	1.0 U	1.0 UJ
	GP01-GW-15-DUP	1,2-Dibromo-3-chloropropane	5.0 U	5.0 UJ
		2,2-Dichloropropane	1.0 U	1.0 UJ
	GP02-GW-15	1,2-Dibromo-3-chloropropane	5.0 U	5.0 UJ
		2,2-Dichloropropane	1.0 U	1.0 UJ
	GP04-GW-15	1,2-Dibromo-3-chloropropane	5.0 U	5.0 UJ
		2,2-Dichloropropane	1.0 U	1.0 UJ
	GP07-GW-15	1,2-Dibromo-3-chloropropane	5.0 U	5.0 UJ
		2,2-Dichloropropane	1.0 U	1.0 UJ
NOTES: U = Result is non-detect. ug/L = micrograms per liter. UJ = Result is non-detect with an estimated reporting limit.				

All remaining LCS/LCSD results were within acceptance limits for percent recovery and RPD.

FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision. Two primary sample/field duplicate sample pairs were submitted for analysis (GP01-GW-15/GP01-GW-15-DUP and GP06-S-7.5/GP06-S-7.5-DUP). MFA uses acceptance criteria of 100 percent RPD for results that are less than five times the MRL, or 50 percent RPD for results that are greater than five times the MRL. Non-detect data are not used in the evaluation of field duplicate results. All analytes were within the acceptance criteria.

CONTINUING CALIBRATION VERIFICATION RESULTS

Continuing calibration verification (CCV) results are used to demonstrate instrument precision and accuracy through the end of the sample batch. CCV results were not reported by Apex. Quality control results that were flagged by the laboratory based on CCV exceedances required no action from the reviewer when the results met percent recovery and RPD acceptance criteria.

REPORTING LIMITS

Apex used method detection limits for non-detect results, except for samples requiring dilutions because of high analyte concentrations and/or matrix interferences. Results between the method detection limit and the reporting limit were qualified by Apex with "J" as estimated.

The reviewer confirmed that NWTPH-Gx and EPA Method 8260D soil results were reported with a base dilution factor of 1:50 due to a dilution required for analysis. The EPA Method 8260D-SIM soil results were reported with a base dilution factor of 1:100 due to sensitivity of the method.

In report A1D0263, some of the EPA Method 8270E-SIM and EPA Method 8260D results were flagged by Apex as having raised detection limits and reporting limits due to interferences from coeluting organic compounds in the samples. No qualifications were necessary.

In report A1D0263, the EPA Method 8260D tetrachloroethene results from sample GP01-GW-15 and GP01-GW-15-DUP were flagged by Apex as having raised reporting limits from the method detection limit to the MRL due to possible carryover from the previous sample. No qualifications were necessary.

DATA PACKAGE

The data package was reviewed for transcription errors, omissions, and anomalies.

In the cooler receipt form associated with report A1D0263, the lab noted that one VOA vial from sample GP01-GW-15-DUP and 3 VOA vials from sample 040721TB had headspace, and that sediment was present in all VOA vials for all samples. The validator confirmed that the lab used the VOA vials with the smallest headspace and least amount of sediment; thus, no qualifications were necessary.

No additional issues were found.

REFERENCES

Apex. 2019. Quality systems manual. Rev. 7. Apex Laboratories, LLC, Tigard, Oregon. February 11.

EPA. 1986. Test methods for evaluating solid waste, physical/chemical methods. EPA publication SW-846. 3d ed. U.S. Environmental Protection Agency. Final updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), V (2015), VI phase I (2017), VI phase II (2018), and VI phase III (2019).

EPA. 2017. EPA contract laboratory program, national functional guidelines for Superfund organic methods data review. EPA 540-R-2017-002. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation. January.