CLEANUP ACTION COMPLETION REPORT

FORMER PLANTERS HOTEL
SUNNYSIDE, WASHINGTON

Prepared for
PORT OF SUNNYSIDE
SUNNYSIDE WASHINGTON
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Prepared by
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The material and data in this report were prepared under the supervision and direction of the undersigned.

MAUL FOSTER & ALONGI, INC.

Evelyn Lundeen, EIT
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This digital seal certifies the signatory and document content.

08/18/2023

Erik Bakkom, PE
Principal Engineer

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ACRONYMS AND ABBREVIATIONS

bgs	below ground surface
cPAH	carcinogenic polycyclic aromatic hydrocarbon
CUL	cleanup level
Ecology	Department of Ecology (Washington)
MFA	Maul Foster & Alongi, Inc.
MTCA	Model Toxics Control Act
PAH	polycyclic aromatic hydrocarbons
Port	Port of Sunnyside
Property	former Planters Hotel site located at 400 S Sixth Street in Sunnyside, Washington
TEQ	toxicity equivalency
UST	underground storage tank
Van Belle	Van Belle Excavating, LLC
VOC	volatile organic compound

1 INTRODUCTION

On behalf of the Port of Sunnyside (the Port), Maul Foster & Alongi, Inc. (MFA), has prepared this cleanup action completion report describing the remedial actions completed at the former Planters Hotel site, located at 400 S Sixth Street in Sunnyside, Washington (the Property) (see Figure 1-1). The Property is listed with the Washington State Department of Ecology (Ecology) under facility site ID 8639 and cleanup site ID 12922.

The Property is currently enrolled in the Ecology voluntary cleanup program. The Port received funding to support cleanup actions at the Property through the brownfields revolving loan fund administered by the Washington State Department of Commerce and funded with support from the U.S. Environmental Protection Agency. Current redevelopment plans for the Property include renovation of the existing commercial building into a pizza shop.

1.1 Project Objectives

The cleanup action is described in the *Engineering Design Report, Former Planters Hotel Site, Sunnyside, Washington* (MFA 2022). The cleanup action is removal of soil exceeding Model Toxics Control Act (MTCA) Method A cleanup levels (CULs) for unrestricted land use and placement of a bioremediation product in the base of the excavation to reduce remaining concentrations in groundwater. The cleanup action was intended to address the following objectives:

- Prevention or minimization of direct contact with, inhalation of, or ingestion of contaminated soil by human receptors (future tenants and customers)
- Prevention or minimization of direct contact with or ingestion of contaminated groundwater by human receptors

Van Belle Excavating, LLC (Van Belle) performed the remedial action tasks with oversight from MFA from November 28, 2022 to December 17, 2022. The cleanup action is complete and was performed in a manner consistent with the engineering design report. Any deviations from the original design are described in this report. This completion report fulfills the requirements of Washington Administrative Code 173-340-400(6).

2 BACKGROUND

2.1 Property Description

The 0.31-acre Property is located at 400 S Sixth Street in Sunnyside, Washington, and includes Yakima County tax lots 22102524512 and 2210252411 in section 25 of township 10 north, range 22 east of

the Willamette Meridian (Figure 2-1). The Property is zoned Retail Core and is currently occupied by a vacant commercial building and gravel surfacing.

2.2 Property History and Current Use

According to a Phase I environmental site assessment, the Property was occupied by the Planters Hotel from the early 1900s to the late 1960s (MFA 2020). The hotel used two underground storage tanks (USTs) that were decommissioned by removal in 2015. The approximate UST excavation boundary is shown on Figure 2-1. The existing commercial building was constructed in 1971 following demolition of the hotel building. The building was most recently occupied by a Kentucky Fried Chicken franchise.

2.3 Site Conditions

2.3.1 Geology and Hydrogeology

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

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). During a 2019 investigation, groundwater was encountered at the Property between 6.5 and 12 feet bgs (GeoEngineers 2019).

2.3.2 Environmental Conditions

Numerous environmental investigations have been completed by MFA at the Property (MFA 2020, 2021a, and 2021b). These investigations identified concentrations of petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), and volatile organic compounds (VOCs) above MTCA Method A CULs for unrestricted land use in soil at approximately 6 to 8 feet bgs. Historical analytical results for soil samples collected on the Property are provided in Table 2-1.

Historical analytical results for groundwater samples collected on the Property are provided in Table 2-2. Petroleum hydrocarbons and methylnaphthalenes were detected at concentrations above the MTCA Method A CULs in one groundwater sample collected from a temporary well installed in the central portion of the former UST excavation.

3 PROJECT TEAM AND ORGANIZATION

3.1 Project Team

The construction project team consisted of the following members:

- Owner—Port of Sunnyside. Adam Smith served as the Port's project manager.
- Engineer & Construction Oversight—MFA. Responsible for project design and overall project conformance to the approved design. Evelyn Lundeen, EIT served as MFA's project manager and Phil Wiescher PhD served as MFA's principal in charge. Lisa Pritzl, LG served as MFA's field engineer.
- General Contractor—Van Belle. Responsible for construction project management and site construction. Kyle Van Belle served as construction project manager.
- Surveying— Stratton Surveying & Mapping (Stratton).

3.2 Project Schedule

The project went out for bid on September 27, 2022 with the final award notification going to Van Belle on October 13, 2022. Van Belle mobilized construction equipment to the site the week of November 27, 2022 and immediately started to implement the cleanup work.

3.3 Construction Oversight

3.3.1 Construction Submittals

Technical submittals were submitted by the contractor (Van Belle) before and during construction, consistent with the project specifications. Submittals were received and reviewed by the engineer (MFA).

An approval-for-use determination was returned to the contractor for submittals not requiring corrective action. Submittals that were not in compliance with the specifications were notated regarding deficiencies and returned for revision and resubmittal by the contractor. Submittal documents are kept on file by the engineer.

3.3.2 Field Notes and Photographs

Daily remedial activities were documented in photos and field notes kept on file by MFA. Key photographs are provided in Appendix A.

4 SITE PREPARATION

4.1 Mobilization and Utility Decommissioning

Prior to the start of construction, temporary construction fencing was installed along the boundary of the Property.

Prior to the start of excavation activities, public and private utility locates were completed to identify buried utilities that may be present in the work area. A live electrical line was discovered within the excavation area. The location of the line prevented the placement of the trench box required to shore the excavation. Coordinating with the contractor, the Port decided to temporarily decommission the line to allow for equipment access in the area of concern. On November 28, 2022, the contractor removed approximately 50 feet of electrical line and conduit.

4.2 Erosion and Sediment Controls

Erosion and sediment best management practices were implemented before and during construction. Best management practices included silt fencing around stockpile areas, plastic sheeting cover on stockpiles, and inlet protection over nearby stormwater basins; these best management practices were maintained for the duration of the project.

5 SOIL EXCAVATION AND MANAGEMENT

5.1 Soil Excavation

Excavation activities began on November 28, 2022. Clean overburden (0 to 4 feet) placed during previous cleanup activities was excavated and stockpiled on site. Two trench boxes were installed in the excavation to protect adjacent utilities and roadway. Each box was 20 feet long, 14 feet wide, and 8 feet tall. The boxes were lowered periodically as the excavation was deepened.

Potentially impacted soils were initially excavated from 4 feet to the planned depth of 10 feet. Plastic sheeting was observed at approximately 6 feet bgs, likely demarcating the excavation boundary from previous cleanup actions. Soil at 10 feet was dry and had visual and olfactory indicators of contamination. After confirming field observations with a handheld photoionization detector, an additional 1 foot of contaminated material was removed until groundwater was encountered.

During excavation activities, fill material with debris was encountered in the northern end of the excavation. The debris included bricks and large chunks of concrete. Following excavation to the initial extent, confirmation sampling indicated there was material with remaining impacts along the

northern excavation boundary. The additional material was removed from the northern sidewall to the extent technically feasible and including some of the encountered debris. The extent of the fill material went beyond the northern extent of the excavation, and, due to the heterogenous nature of the fill, was determined to be unstable. The trench box was shifted over as possible to allow for excavation of additional material, but over-excavation was limited, due to the size of the concrete chunks and the determination that it was not feasible to remove additional material without a different type of shoring.

5.2 Confirmation Sampling

Following excavation activities, confirmation soil samples were collected in accordance with the approved sampling and analysis plan (MFA 2022). Sidewall samples were collected every 20 linear feet from a depth of 10 to 11 feet bgs to best represent site conditions. Base samples were not collected, due to the presence of groundwater at a depth that could impact the representative nature of the soil sample. Of the final leave condition samples, two samples, ESW2-S-11.0 and NSW1-S-11.0, exceeded MTCA Method A CULs for the Property. Analytical results from confirmation samples are provided in Table 5-1.

Soil concentrations in sample ESW2-S-11.0 exceeded MTCA Method A CULs for diesel- and oil-range hydrocarbons, benzo(a)pyrene, and carcinogenic polycyclic aromatic hydrocarbon (cPAH) toxicity equivalency (TEQ). The other two eastern sidewall samples, ESW1A-S-11.0 and ESW3A-S-11.0, were non-detect for all contaminants of concern. In the preconstruction meeting with the contractor, the Port, Department of Commerce, MFA and Ecology, over-excavation along the eastern sidewall was determined to be technically infeasible due to the presence of underground utilities, an adjacent power line, and the property line.

Soil from location NSW1 exceeded CULs for benzo(a)pyrene and cPAH TEQ. As described in Section 5.1, soil along the north wall was over-excavated to the extent technically feasible due to limitations on the availability of additional shoring and time constraints due to inclement weather. The excavation was expanded in the northern direction to the extent possible, but the additional large debris encountered prevented further expansion of the excavation without significant investigation or more shoring. A final sidewall sample was collected from the north sidewall. The sample NSW1A-S-11.0 exceeded the MTCA Method A CULs for benzo(a)pyrene and cPAH TEQ.

The locations of leave surface confirmation samples are shown on Figure 5-1.

5.3 Stockpiling and Material Management

Van Belle maintained two separate soil stockpiles on site, one for clean overburden and one for contaminated soil and small debris. Large chunks of concrete removed from the excavation were segregated from soil for separate disposal. Stockpiles were contained within silt fencing and covered with plastic at the end of each workday.

A 10-point composite sample was collected from each stockpile and analyzed for PAHs, VOCs, and petroleum hydrocarbons. Results from stockpile sampling are provided in Appendix B. All analytes were below MTCA Method A CULs in the clean stockpile sample, indicating that the stockpile was

suitable for use as backfill. Analytical results from samples from the contaminated stockpile were used to develop a waste profile for disposal.

5.4 Soil Disposal

Soil from the contaminated stockpile was loaded into trucks and disposed of at the Roosevelt Landfill, in Roosevelt, Washington. An additional 6 inches of gravel/surface soil was removed from the footprint of the contaminated material stockpile as a precaution to remove any potentially contaminated material that could have been introduced by stockpiling. Trucks were tarped during transport to prevent release. A total of 312 tons of material was disposed of at the landfill. Trucking tickets are included in Appendix C.

5.5 Bioremediation

Following excavation activities, 800 pounds of Regenesis advanced oxygen releasing compound was applied to the base of the excavation along with approximately 1 foot of clean overburden soil. The bioremediation product was then mixed into the smear zone fill using the excavator bucket.

5.6 Backfill

Clean backfill that had been stockpiled on site was placed in 1 foot lifts and compacted with the excavator bucket. Soil from the clean overburden stockpile was used as fill material. An additional 404 tons of gravel borrow was imported from Central Pre-Mix. Prior to import, fill material was analyzed for site contaminants and screened to applicable cleanup levels (Appendix B) The excavation was backfilled to original grade. Some of the imported gravel fill was placed across the site to restore disturbed areas including the contaminated soil stockpile footprint and any areas with erosion from equipment or truck traffic. Import tickets are included in Appendix C.

5.7 Excavation Survey

Stratton conducted three surveys throughout the duration of the project: a pre-conditions survey, post-excavation survey, and a final conditions survey. Survey data was used to confirm conformance to the plan set and payment quantities. The surveyed extent of excavation is shown on Figure 5-1 and on Drawing C1.0. The final conditions site topography is shown on Drawing C2.0.

5.8 Demobilization and Conduit Repair

Following backfill activities, Van Belle removed all temporary infrastructure and demobilized from the site. The electrical line temporarily decommissioned to allow for the work was repaired on January 31, 2023.

6 SITE INSPECTION

On December 8, 2022 MFA determined that the cleanup action had been substantially completed. Following the conduit repair, the Port conducted a final site inspection.

7 CERTIFICATION STATEMENT

The construction oversight services described in this report were performed by MFA on behalf of the Port of Sunnyside. Based on the observations made during remedial excavation and the testing results, it is the opinion of the engineer that the remedial actions completed at the former Planters Hotel site were performed in substantial compliance with the plans, specifications, and related documents.

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.

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TABLES

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Table 2-1
Historical 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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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 2-1
Historical 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 2-1
Historical 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]Ecology. 2021. *Cleanup Levels and Risk Calculation Master Table.* Washington State Department of Ecology Toxics Cleanup Program. February.

[2]Ecology. 2015. *Evaluating the Human Heath Toxicity of Carcinogenic PAHs Using Toxicity Equivalence Factors.* Washington State Department of Ecology.

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Table 2-2
Historical 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

Table 2-2
Historical 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 2-2
Historical 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 2-2
Historical 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.

EPA = U. S. Environmental Protection Agency.

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.

SIM = selected ion monitoring.

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)]Ecology. 2021. *Cleanup Levels and Risk Calculation Master Table.* Washington State Department of Ecology Toxics Cleanup Program. February.

[(2)]Ecology. 2015. *Evaluating the Human Heath Toxicity of Carcinogenic PAHs Using Toxicity Equivalence Factors.* Washington State Department of Ecology.

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

Location:	MTCA Method A, Unrestricted Land Use[a][1]	MTCA Method B[a][b][1]	ESW1A		ESW2A	ESW3A	NSW1	NSW1A	SSW1	WSW1	WSW2	WSW3
Sample Name:			ESW1A-S-11.0	ESW1A-S-11.0-DUP	ESW2A-S-11.0	ESW3A-S-11.0	NSW1-S-11.0	NSW1A-S-11.0	SSW1-S-10.0	WSW1-S-10.0	WSW2-S-11.0	WSW3-S-11.0
Sample Date:			12/01/22	12/01/22	12/01/22	12/01/22	11/29/22	12/08/22	11/29/22	11/29/22	11/29/22	11/29/22
Sample Depth (ft bgs):			11.0	11.0	11.0	11.0	11.0	11.0	10.0	10.0	11.0	11.0
TPH (mg/kg)												
Gasoline-range hydrocarbons	100[c]	NV	5 U	5 U	87	5 U	5 U	10	5 U	5 U	5 U	5 U
Diesel-range hydrocarbons	2,000	NV	50 U	50 U	2,000	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Motor oil-range hydrocarbons	2,000	NV	250 U	250 U	1,400	250 U	250 U	250 U	250 U	250 U	250 U	250 U
Diesel+Oil[d]	2,000[e]	NV	250 U	250 U	3,400	250 U	250 U	250 U	250 U	250 U	250 U	250 U
VOCs (mg/kg)												
1,1,1,2-Tetrachloroethane	NV	38	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,1,1-Trichloroethane	2	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.002 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U
1,1,2,2-Tetrachloroethane	NV	5	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,1,2-Trichloroethane	NV	18	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,1-Dichloroethane	NV	180	0.05 U	0.05 U	0.05 U	0.05 U	0.002 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U
1,1-Dichloroethene	NV	4,000	0.05 U	0.05 U	0.05 U	0.05 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloropropene	NV	NV	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,2,3-Trichlorobenzene	NV	64	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2,3-Trichloropropane	NV	0.0063	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,2,4-Trichlorobenzene	NV	34	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U
1,2,4-Trimethylbenzene	NV	800	0.05 U	0.05 U	0.74	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,2-Dibromo-3-chloropropane	NV	0.23	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	0.005	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
1,2-Dichlorobenzene	NV	7,200	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,2-Dichloroethane	NV	11	0.05 U	0.05 U	0.05 U	0.05 U	0.002 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U
1,2-Dichloropropane	NV	27	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,3,5-Trimethylbenzene	NV	800	0.05 U	0.05 U	0.22	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,3-Dichlorobenzene	NV	NV	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,3-Dichloropropane	NV	1,600	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
1,4-Dichlorobenzene	NV	190	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
2,2-Dichloropropane	NV	NV	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Butanone	NV	48,000	1 U	1 U	1 U	1 U	1 UJ	2 U	1 UJ	1 UJ	1 UJ	1 UJ
2-Chlorotoluene	NV	1,600	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Hexanone	NV	400	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	NV	1,600	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Isopropyltoluene	NV	NV	0.05 U	0.05 U	0.058	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Methyl-2-pentanone	NV	6,400	1 U	1 U	1 U	1 U	1 U	2 U	1 U	1 U	1 U	1 U
Acetone	NV	72,000	5 UJ	5 U	5 U	5 U	5 U	10 U	5 U	5 U	5 U	5 U
Benzene	0.03	NA	0.03 U	0.03 U	0.03 U	0.03 U	0.001 U	0.0032	0.001 U	0.001 U	0.001 U	0.001 U
Bromobenzene	NV	640	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Bromodichloromethane	NV	16	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Bromoform	NV	130	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Bromomethane	NV	110	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	NV	14	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Chlorobenzene	NV	1,600	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Chloroethane	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.1 U	0.2 U	0.1 U	0.1 U	0.1 U	0.1 U
Chloroform	NV	32	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U

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

Location:	MTCA Method A, Unrestricted Land Use[a][1]	MTCA Method B[a][b][1]	ESW1A		ESW2A	ESW3A	NSW1	NSW1A	SSW1	WSW1	WSW2	WSW3
Sample Name:			ESW1A-S-11.0	ESW1A-S-11.0-DUP	ESW2A-S-11.0	ESW3A-S-11.0	NSW1-S-11.0	NSW1A-S-11.0	SSW1-S-10.0	WSW1-S-10.0	WSW2-S-11.0	WSW3-S-11.0
Sample Date:			12/01/22	12/01/22	12/01/22	12/01/22	11/29/22	12/08/22	11/29/22	11/29/22	11/29/22	11/29/22
Sample Depth (ft bgs):			11.0	11.0	11.0	11.0	11.0	11.0	10.0	10.0	11.0	11.0
Chloromethane	NV	NV	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	NV	160	0.05 U	0.05 U	0.05 U	0.05 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,3-Dichloropropene	NV	NV	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Dibromochloromethane	NV	12	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Dibromomethane	NV	800	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Dichlorodifluoromethane (Freon 12)	NV	16,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	6	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.001 U	0.0046	0.001 U	0.001 U	0.001 U	0.001 U
Hexachlorobutadiene	NV	13	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U
Isopropylbenzene	NV	8,000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
m,p-Xylene	NV	NV	0.1 U	0.1 U	0.1 U	0.1 U	0.002 U	0.021	0.002 U	0.002 U	0.002 U	0.002 U
Methyl tert-butyl ether	0.1	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Methylene chloride	0.02	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.2 U	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Naphthalene	5	NA	0.05 U	0.05 U	2.3	0.05 U	0.012	0.016	0.005 U	0.005 U	0.005 U	0.005 U
n-Hexane	NV	4,800	0.25 U	0.25 U	0.25 U	0.25 U	0.25 U	0.5 U	0.25 U	0.25 U	0.25 U	0.25 U
n-Propylbenzene	NV	8,000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
o-Xylene	NV	16,000	0.05 U	0.05 U	0.054	0.05 U	0.001 U	0.013	0.001 U	0.001 U	0.001 U	0.001 U
sec-Butylbenzene	NV	8,000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Styrene	NV	16,000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
tert-Butylbenzene	NV	8,000	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Tetrachloroethene	0.05	NA	0.025 U	0.025 U	0.025 U	0.025 U	0.001 U	0.047	0.001 U	0.001 U	0.001 U	0.001 U
Toluene	7	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.001 U	0.023	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	NV	1,600	0.05 U	0.05 U	0.05 U	0.05 U	0.002 U	0.004 U	0.002 U	0.002 U	0.002 U	0.002 U
trans-1,3-Dichloropropene	NV	NV	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.1 U	0.05 U	0.05 U	0.05 U	0.05 U
Trichloroethene	0.03	NA	0.02 U	0.02 U	0.02 U	0.02 U	0.001 U	0.002 U	0.001	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (Freon 11)	NV	24,000	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	NV	0.67	0.05 U	0.05 U	0.05 U	0.05 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylenes, total[f]	9	NA	0.1 U	0.1 U	0.104	0.1 U	0.002 U	0.034	0.002 U	0.002 U	0.002 U	0.002 U
PAHs (mg/kg)												
1-Methylnaphthalene	NV	34	0.01 U	0.01 U	30	0.05 U	0.01 U	0.062	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene	NV	320	0.01 U	0.01 U	49	0.05 U	0.01	0.062	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthene	NV	4,800	0.01 U	0.01 U	5.3	0.05 U	0.01 U	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthylene	NV	NV	0.01 U	0.01 U	0.99	0.05 U	0.029	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	NV	24,000	0.01 U	0.01 U	2.2	0.05 U	0.019	0.051	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	NV	NV	0.01 U	0.01 U	1.7	0.05 U	0.26	0.27	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	0.1	NA	0.01 U	0.01 U	1.7	0.05 U	0.31	0.42	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	NV	NV	0.01 U	0.01 U	0.5 U	0.05 U	0.35	0.59	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(ghi)perylene	NV	NV	0.01 U	0.01 U	0.77	0.05 U	0.19	0.24	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	NV	NV	0.01 U	0.01 U	0.5 U	0.05 U	0.13	0.18	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	NV	NV	0.01 U	0.01 U	2.6	0.05 U	0.23	0.31	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzo(a,h)anthracene	NV	NV	0.01 U	0.01 U	0.5 U	0.05 U	0.045	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	NV	3,200	0.01 U	0.011	0.73	0.05 U	0.38	0.54	0.01 U	0.01 U	0.01 U	0.01 U
Fluorene	NV	3,200	0.01 U	0.01 U	5.1	0.05 U	0.01 U	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-cd)pyrene	NV	NV	0.01 U	0.01 U	0.5 U	0.05 U	0.23	0.25	0.01 U	0.01 U	0.01 U	0.01 U

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

Location:	MTCA Method A, Unrestricted Land Use[a][1]	MTCA Method B[a][b][1]	ESW1A		ESW2A	ESW3A	NSW1	NSW1A	SSW1	WSW1	WSW2	WSW3
Sample Name:			ESW1A-S-11.0	ESW1A-S-11.0-DUP	ESW2A-S-11.0	ESW3A-S-11.0	NSW1-S-11.0	NSW1A-S-11.0	SSW1-S-10.0	WSW1-S-10.0	WSW2-S-11.0	WSW3-S-11.0
Sample Date:			12/01/22	12/01/22	12/01/22	12/01/22	11/29/22	12/08/22	11/29/22	11/29/22	11/29/22	11/29/22
Sample Depth (ft bgs):			11.0	11.0	11.0	11.0	11.0	11.0	10.0	10.0	11.0	11.0
Naphthalene	5	NA	0.01 U	0.01 U	4	0.05 U	0.011	0.05 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenanthrene	NV	NV	0.01 U	0.01 U	13	0.05 U	0.072	0.49	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	NV	2,400	0.01 U	0.01 U	5.4	0.05 U	0.36	0.63	0.01 U	0.01 U	0.01 U	0.01 U
cPAH TEQ[g][2]	0.19	NA	0.01 U	0.01 U	2.0	0.05 U	0.4138	0.55	0.01 U	0.01 U	0.01 U	0.01 U

Table 5-1
Confirmation Sample 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.

MTCA Method A, Unrestricted Land Use

cPAH = carcinogenic polycyclic aromatic hydrocarbon.

ft bgs = feet below ground surface.

mg/kg = milligrams per kilogram.

MTCA = Model Toxics Control Act.

NA = not applicable.

NV = no value.

PAH = polycyclic aromatic hydrocarbon.

TEF = toxicity equivalence factor.

TEQ = toxicity equivalency.

TPH = total petroleum hydrocarbons.

U = result is non-detect at the reporting limit.

UJ = result is non-detect with an estimated reporting limit.

VOC = volatile organic compound.

[a]When MTCA Method A value is available, value is not screened to MTCA Method B. When MTCA Method A value is not available, value is screened against the lowest of MTCA Method B cancer and noncancer values.

[b]Lowest of cancer and noncancer values are shown.

[c]Screening level for gasoline-range hydrocarbons when no benzene is detected.

[d]Diesel+Oil is the sum of diesel-range and oil-range hydrocarbons. When results are non-detect, half the reporting limit is used. When both results are non-detect, the highest reporting limit is shown.

[e]Value is the lowest applicable screening value for diesel- and oil-range hydrocarbons.

[f]Total xylenes is the sum of m,p-xylene and o-xylene. When results are non-detect, half the reporting limit is used. When both results are non-detect, the highest reporting limit is shown.

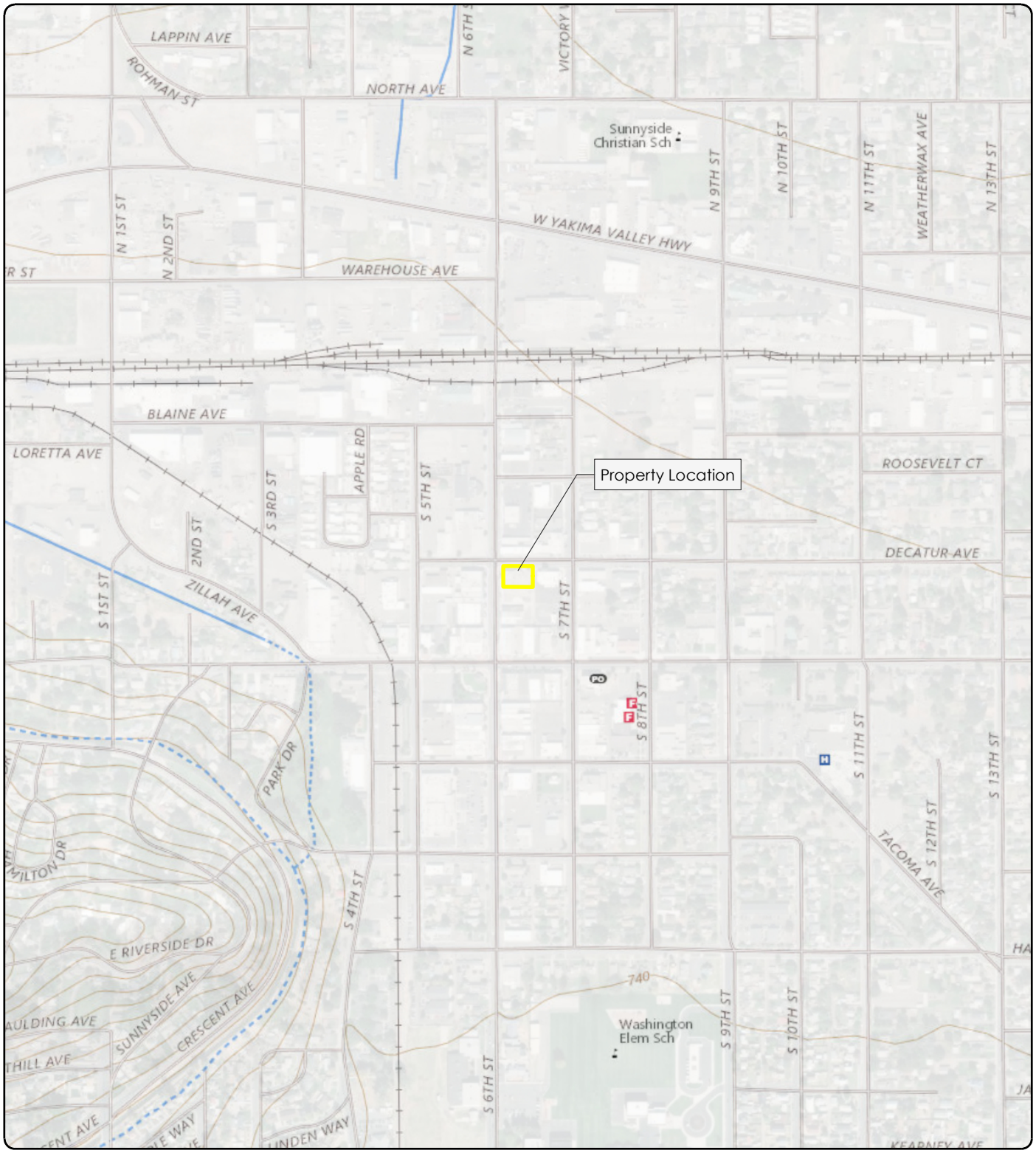
[g]cPAH TEQ calculated with non-detect results multiplied by one-half. When all cPAH results are non-detect, the highest reporting limit is shown.

References

[1]Ecology. 2022. *Cleanup Levels and Risk Calculation (CLARC).* Washington State Department of Ecology Toxics Cleanup Program. July errata.

[2]Ecology. 2015. *Evaluating the Human Health Toxicity of Carcinogenic PAHs (cPAHs) Using Toxic Equivalence Factors (TEFs).* Implementation Memo No. 10. Publication No. 15-09-049. Washington State Department of Ecology Toxics Cleanup Program. April.

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
Sunnyside, Washington

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0 400 800
Feet

Path: X:\0346_11\Projects\Fig1_1_Site_Location.mxd
Print Date: 4/30/2021
Requested By: MPollock
Produced By: sturner
Project: M0346.11.006

Figure 2-1
Property Features

Former Planters Hotel Site
Sunnyside, Washington

Legend

- Boring (April 2021)
- Supplemental Boring (May 2021)
- Soil MTCA CUL Exceedance
- Groundwater MTCA CUL Exceedance
- Former UST Excavation
- Property Boundary
- Tax Lot

Notes:
CUL = cleanup level.
MTCA = Model Toxics Control Act.
UST = underground storage tank.

0 10 20
Feet

Data Sources:
Aerial photograph obtained from Microsoft Bing; tax lot data obtained from Yakima County.

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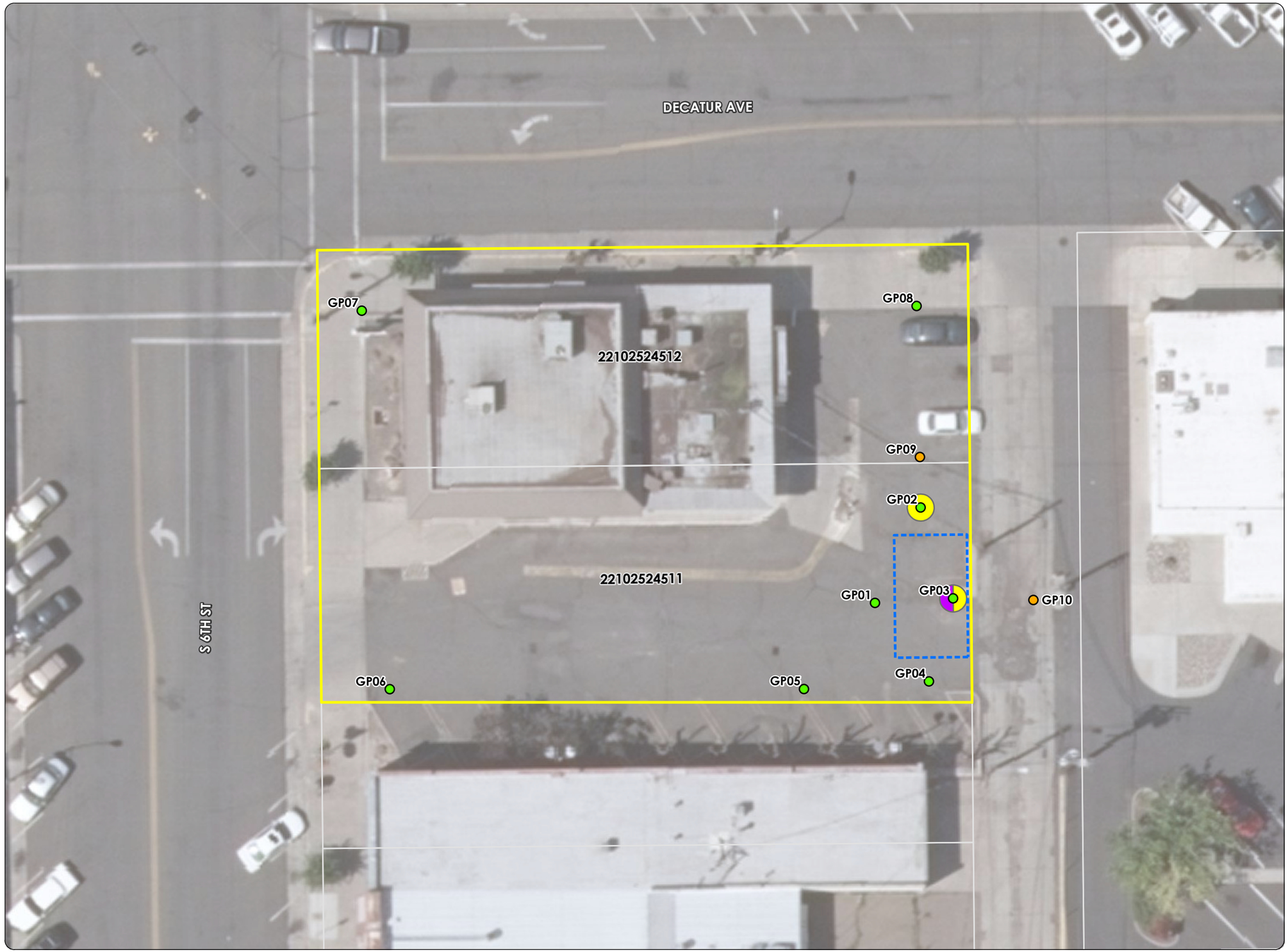
Figure 2-1
Property Features

Former Planters Hotel Site
Sunnyside, Washington



Legend

- Boring (April 2021)
- Supplemental Boring (May 2021)
- Soil MTCA CUL Exceedance
- Groundwater MTCA CUL Exceedance
- Former UST Excavation
- Property Boundary
- Tax Lot

Notes
CUL = cleanup level.
MTCA = Model Toxics Control Act.
UST = underground storage tank.

0 10 20
Feet

Data Sources
Aerial photograph obtained from Esri;
tax lot data obtained from Yakima County.

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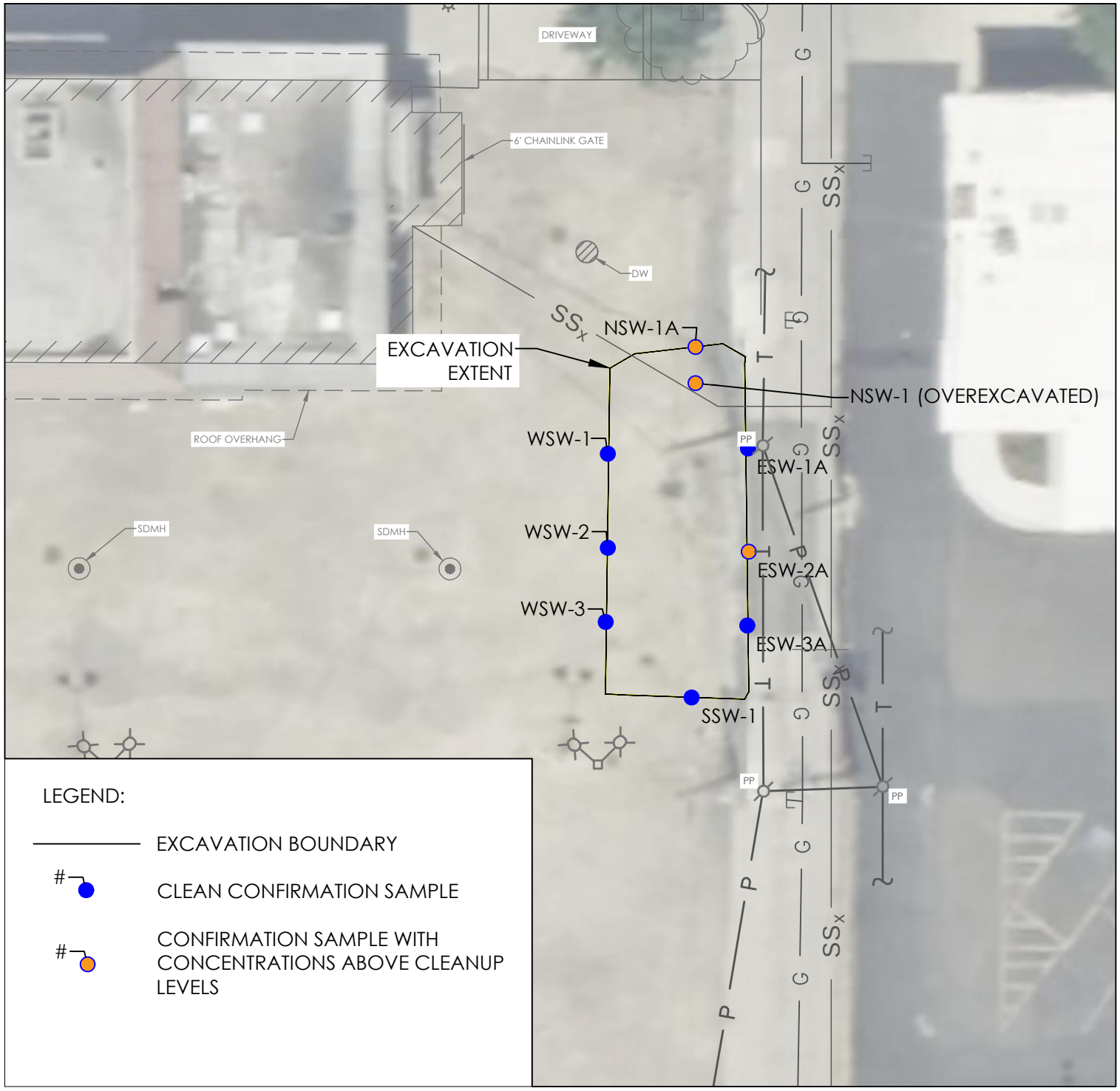
Path: X:\0346.11\Projects\Fig2_1 Property Features.mxd
Print Date: 6/22/2023
Reviewed by: elundeen
Produced By: sturner
Project: M0346.11.006



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0 20' 40'

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

Figure 5-1 Excavation Extent

Former Planters Hotel
Sunnyside, Washington

Filepath: G:\PROJECTS\M0346.11 Port of Sunnyside\EXHIBIT\Excavation Figure.dwg
Printed by: Evelyn Lundeen
Date: 4/18/2023 12:29:05 PM

DRAWINGS

NOTES:

1. THE INFORMATION SHOWN ON THESE EXCAVATION RECORD DRAWINGS IS BASED ON DATA FROM STRATTON SURVEYING, INC., COLLECTED WINTER 2022. SURVEYED POINTS FROM THE CORNERS OF THE EXCAVATION MAY NOT BE REPRESENTATIVE OF THE ENTIRE EXCAVATION BASE DUE TO SLOUGHING OF MATERIAL.
2. THE INFORMATION SHOWN HEREIN IS INTENDED FOR USE BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AS PART OF COMPLETION REPORTING FOR THE REMEDIAL ACTION COMPLETED AT THE FORMER PLANTERS HOTEL SITE. USE OF THIS INFORMATION FOR PURPOSES OTHER THAN THAT DESCRIBED ABOVE IS AT USERS OWN RISK.

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PORTLAND, OR 97232
PHONE: 971.544.2139
www.maulfoster.com

FORMER PLANTERS HOTEL SITE
601 E LINCOLN AVENUE
SUNNYSIDE, WA

ISSUE	DATE	DESCRIPTION

PROJECT: M0346.11.006
DESIGNED: E. LUNDEEN
DRAWN: E. LUNDEEN
CHECKED: ----

SCALE

0 10' 20'

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE

EXCAVATION

SHEET

C1.0

PLOTTED ON: 2023-04-18 12:11 PM PLOTTED BY: Evelyn Lundeen FILENAME: G:\PROJECTS\M0346.11 Port of Sunnyside\PLANS\C1.0 EXCAVATION SURVEY.dwg

MONITORING WELL

DRIVEWAY

6' CHAINLINK GATE

DW

ROOF OVERHANG

SDMH

SDMH

DRIVEWAY

PP

PP

PP

NOTES:

1. THE INFORMATION SHOWN ON THESE FINAL GRADE RECORD DRAWINGS IS BASED ON DATA FROM STRATTON SURVEYING, INC., COLLECTED WINTER 2022.
2. THE INFORMATION SHOWN HEREIN IS INTENDED FOR USE BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY AS PART OF COMPLETION REPORTING FOR THE REMEDIAL ACTION COMPLETED AT THE FORMER PLANTERS HOTEL SITE. USE OF THIS INFORMATION FOR PURPOSES OTHER THAN THAT DESCRIBED ABOVE IS AT USERS OWN RISK.

RECORD DRAWING

MAUL FOSTER ALONGI
3140 NE BROADWAY STREET
PORTLAND, OR 97232
PHONE: 971.544.2139
www.maulfoster.com

FORMER PLANTERS HOTEL SITE CLEANUP ACTION

PORT OF SUNNYSIDE

SUNNYSIDE, WA

ISSUE	DATE	DESCRIPTION

PROJECT: M0346.11.006

DESIGNED: E. LUNDEEN

DRAWN: E. LUNDEEN

CHECKED: -

SCALE

0 10' 20'

NOTE: BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALE ACCORDINGLY.

SHEET TITLE

FINAL GRADE

SHEET

C2.0

PLOTTED ON: 2023-04-18 12:12 PM PLOTTED BY: Evelyn Lundeen FILENAME: G:\PROJECTS\M0346.11 Port of Sunnyside\PLANS\C2.0 Final Grade.dwg

APPENDIX A

PHOTO ARRAY

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel
Project Number: M0346.11.006
Location: Sunnyside, Washington

Photo No. 1.

Description
Looking north at brick and concrete debris at the north sidewall at approximately 8 to 12 feet below ground surface (ft bgs). Petroleum-impacted soil was present along the east sidewall at approximately 10 to 12 ft bgs. Dark product and sheen were observed on the groundwater in the excavation bottom.

Photo No. 2.

Description
Looking south at the plastic sheeting demarcating the extent of the previous excavation and underground storage tank removal. Petroleum-impacted soil was observed along the south and west sidewalls.

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel
Project Number: M0346.11.006
Location: Sunnyside, Washington

Photo No. 3.

Description
Metal, concrete, and brick debris extracted from the northern extent of the excavation.

Photo No. 4.

Description
Looking north at the partially backfilled excavation.

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel
Project Number: M0346.11.006
Location: Sunnyside, Washington

Photo No. 5.

Description
Looking southwest at the location of the overstock pile during removal. The contractor excavated the top 6 inches of material beneath the stockpile area to ensure that all impacted soil was removed.

Photo No. 6.

Description
Looking east at the partially filled excavation. The trench boxes have been removed.

PHOTOGRAPHS

Project Name: Former Planters Hotel
Project Number: M0346.11.006
Location: Sunnyside, Washington

Photo No. 7.

Description
Looking west-southwest at the former stockpile area during backfill and regrading. Concrete debris from the north side of the excavation is also visible in the photo.

Photo No. 8.

Description
Looking northeast at the backfilled excavation. The contractor backfilled and graded around existing stormwater drains.

MAUL FOSTER ALONGI

PHOTOGRAPHS

Project Name: Former Planters Hotel
Project Number: M0346.11.006
Location: Sunnyside, Washington

Photo No. 9.

Description
Looking north. The contractor backfilled and compacted material to bring the surface back to the previous grade.

Photo No. 10.

Description
Looking northwest. The contractor backfilled and compacted material to bring the surface back to the previous grade.

APPENDIX B
LABORATORY DATA

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

December 7, 2022

Evelyn Lundeen, Project Manager
Maul Foster Alongi
2815 2nd Ave, Suite 540
Seattle, WA 98121

Dear Ms Lundeen:

Included are the results from the testing of material submitted on December 2, 2022 from the Former Planters Hotel M0346.11.006, F&BI 212017 project. There are 22 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
MFA1207R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 2, 2022 by Friedman & Bruya, Inc. from the Maul Foster Alongi Former Planters Hotel M0346.11.006, F&BI 212017 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Maul Foster Alongi
212017 -01	ESW1a-S-11.0
212017 -02	ESW2a-S-11.0
212017 -03	ESW3a-S-11.0
212017 -04	ESW1a-S-11.0-Dup
212017 -05	CSP-1

The 8260D matrix spike and matrix spike duplicate failed the relative percent difference for several compounds. The analytes were not detected therefore the data were acceptable.

The 8260D laboratory control sample exceeded the acceptance criteria for several analytes. The compounds were not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017
Date Extracted: NA
Date Analyzed: 12/02/22

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR PERCENT MOISTURE USING ASTM D2216-98

Sample ID Laboratory ID	% Moisture
ESW1a-S-11.0 212017-01	16
ESW2a-S-11.0 212017-02	17
ESW3a-S-11.0 212017-03	19
ESW1a-S-11.0-Dup 212017-04	19
CSP-1 212017-05	10

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017
Date Extracted: 12/02/22
Date Analyzed: 12/05/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
ESW1a-S-11.0 212017-01	<5	107
ESW2a-S-11.0 212017-02	87	110
ESW3a-S-11.0 212017-03	<5	109
ESW1a-S-11.0-Dup 212017-04	<5	112
CSP-1 212017-05	<5	76
Method Blank 02-2739 MB	<5	73

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017
Date Extracted: 12/02/22
Date Analyzed: 12/02/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
ESW1a-S-11.0 212017-01	<50	<250	95
ESW2a-S-11.0 212017-02	2,000	1,400	89
ESW3a-S-11.0 212017-03	<50	<250	95
ESW1a-S-11.0-Dup 212017-04	<50	<250	91
CSP-1 212017-05	<50	<250	89
Method Blank 02-2844 MB	<50	<250	97

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	ESW1a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-01
Date Analyzed:	12/05/22	Data File:	120511.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	84	120
Toluene-d8	105	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5 ca	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	ESW2a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-02
Date Analyzed:	12/02/22	Data File:	120214.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	90	109
Toluene-d8	98	89	112
4-Bromofluorobenzene	105	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	0.054
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	0.22
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	0.74
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	0.058
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	2.3
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	ESW3a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-03
Date Analyzed:	12/02/22	Data File:	120211.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	90	109
Toluene-d8	100	89	112
4-Bromofluorobenzene	103	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	ESW1a-S-11.0-Dup	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-04
Date Analyzed:	12/02/22	Data File:	120212.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	90	109
Toluene-d8	100	89	112
4-Bromofluorobenzene	105	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CSP-1	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-05
Date Analyzed:	12/05/22	Data File:	120512.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	84	120
Toluene-d8	102	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5 ca	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	02-2833 mb
Date Analyzed:	12/02/22	Data File:	120205.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	90	109
Toluene-d8	99	89	112
4-Bromofluorobenzene	102	84	115

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	ESW1a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-01 1/5
Date Analyzed:	12/02/22	Data File:	120210.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	79	10	198
2-Fluorobiphenyl	85	45	117
2,4,6-Tribromophenol	71	11	158
Terphenyl-d14	89	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	ESW2a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-02 1/250
Date Analyzed:	12/02/22	Data File:	120214.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	80 d	10	198
2-Fluorobiphenyl	95 d	45	117
2,4,6-Tribromophenol	130 d	11	158
Terphenyl-d14	95 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	4.0
2-Methylnaphthalene	49
1-Methylnaphthalene	30
Acenaphthylene	0.99
Acenaphthene	5.3
Fluorene	5.1
Phenanthrene	13
Anthracene	2.2
Fluoranthene	0.73
Pyrene	5.4
Benz(a)anthracene	1.7
Chrysene	2.6
Benzo(a)pyrene	1.7
Benzo(b)fluoranthene	<0.5
Benzo(k)fluoranthene	<0.5
Indeno(1,2,3-cd)pyrene	<0.5
Dibenz(a,h)anthracene	<0.5
Benzo(g,h,i)perylene	0.77

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	ESW3a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-03 1/25
Date Analyzed:	12/02/22	Data File:	120211.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	76 d	10	198
2-Fluorobiphenyl	87 d	45	117
2,4,6-Tribromophenol	67 d	11	158
Terphenyl-d14	88 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Acenaphthylene	<0.05
Acenaphthene	<0.05
Fluorene	<0.05
Phenanthrene	<0.05
Anthracene	<0.05
Fluoranthene	<0.05
Pyrene	<0.05
Benz(a)anthracene	<0.05
Chrysene	<0.05
Benzo(a)pyrene	<0.05
Benzo(b)fluoranthene	<0.05
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05
Benzo(g,h,i)perylene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	ESW1a-S-11.0-Dup	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-04 1/5
Date Analyzed:	12/02/22	Data File:	120212.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	74	10	198
2-Fluorobiphenyl	79	45	117
2,4,6-Tribromophenol	71	11	158
Terphenyl-d14	82	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	0.011
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	CSP-1	Client:	Maul Foster Alongi
Date Received:	12/02/22	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	212017-05 1/25
Date Analyzed:	12/02/22	Data File:	120213.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	76 d	10	198
2-Fluorobiphenyl	92 d	45	117
2,4,6-Tribromophenol	79 d	11	158
Terphenyl-d14	98 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	<0.05
1-Methylnaphthalene	<0.05
Acenaphthylene	<0.05
Acenaphthene	<0.05
Fluorene	<0.05
Phenanthrene	<0.05
Anthracene	<0.05
Fluoranthene	<0.05
Pyrene	<0.05
Benz(a)anthracene	<0.05
Chrysene	<0.05
Benzo(a)pyrene	<0.05
Benzo(b)fluoranthene	<0.05
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	<0.05
Dibenz(a,h)anthracene	<0.05
Benzo(g,h,i)perylene	<0.05

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	M0346.11.006, F&BI 212017
Date Extracted:	12/02/22	Lab ID:	02-2893 mb2 1/5
Date Analyzed:	12/02/22	Data File:	120216.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	89	10	198
2-Fluorobiphenyl	97	45	117
2,4,6-Tribromophenol	96	11	158
Terphenyl-d14	126 vo	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 212016-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	105	70-130

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 212029-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	2,000	<50	90	90	70-130	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	2,000	89	70-130

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 211416-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	14	19	10-142	30 vo
Chloromethane	mg/kg (ppm)	1	<0.5	40	48	10-126	18
Vinyl chloride	mg/kg (ppm)	1	<0.05	41	50	10-138	20
Bromomethane	mg/kg (ppm)	1	<0.5	90	99	10-163	10
Chloroethane	mg/kg (ppm)	1	<0.5	58	67	10-176	14
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	48	60	10-176	22 vo
Acetone	mg/kg (ppm)	5	<5	140	151	10-163	8
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	59	67	10-160	13
Hexane	mg/kg (ppm)	1	<0.25	44	59	10-137	29 vo
Methylene chloride	mg/kg (ppm)	1	<0.5	70	79	10-156	12
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	78	82	21-145	5
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	66	75	14-137	13
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	75	83	19-140	10
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	85	95	10-158	11
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	75	83	25-135	10
Chloroform	mg/kg (ppm)	1	<0.05	79	86	21-145	8
2-Butanone (MEK)	mg/kg (ppm)	5	<1	78	82	19-147	5
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	79	86	12-160	8
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	70	81	10-156	15
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	72	83	17-140	14
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	72	81	9-164	12
Benzene	mg/kg (ppm)	1	<0.03	76	85	29-129	11
Trichloroethene	mg/kg (ppm)	1	<0.02	74	84	21-139	13
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	81	89	30-135	9
Bromodichloromethane	mg/kg (ppm)	1	<0.05	77	85	23-155	10
Dibromomethane	mg/kg (ppm)	1	<0.05	80	88	23-145	10
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	75	81	24-155	8
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	80	87	28-144	8
Toluene	mg/kg (ppm)	1	<0.05	80	88	35-130	10
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	81	88	26-149	8
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	82	91	10-205	10
2-Hexanone	mg/kg (ppm)	5	<0.5	72	76	15-166	5
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	82	88	31-137	7
Tetrachloroethene	mg/kg (ppm)	1	<0.025	80	89	20-133	11
Dibromochloromethane	mg/kg (ppm)	1	<0.05	85	92	28-150	8
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	80	91	28-142	13
Chlorobenzene	mg/kg (ppm)	1	<0.05	83	91	32-129	9
Ethylbenzene	mg/kg (ppm)	1	<0.05	81	90	32-137	11
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	78	87	31-143	11
m,p-Xylene	mg/kg (ppm)	2	<0.1	82	89	34-136	8
o-Xylene	mg/kg (ppm)	1	<0.05	82	91	33-134	10
Styrene	mg/kg (ppm)	1	<0.05	79	87	35-137	10
Isopropylbenzene	mg/kg (ppm)	1	<0.05	78	87	31-142	11
Bromoform	mg/kg (ppm)	1	<0.05	85	93	21-156	9
n-Propylbenzene	mg/kg (ppm)	1	<0.05	83	92	23-146	10
Bromobenzene	mg/kg (ppm)	1	<0.05	82	89	34-130	8
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	<0.05	84	92	18-149	9
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	85	89	28-140	5
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	84	94	25-144	11
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	84	91	31-134	8
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	84	92	31-136	9
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	83	92	30-137	10
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	<0.05	83	92	10-182	10
sec-Butylbenzene	mg/kg (ppm)	1	<0.05	83	93	23-145	11
p-Isopropyltoluene	mg/kg (ppm)	1	<0.05	82	91	21-149	10
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	84	91	30-131	8
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	82	89	29-129	8
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	83	91	31-132	9
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	75	77	11-161	3
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	76	82	22-142	8
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	76	88	10-142	15
Naphthalene	mg/kg (ppm)	1	<0.05	65	69	14-157	6
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	65	70	20-144	7

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	56	10-146
Chloromethane	mg/kg (ppm)	1	74	27-133
Vinyl chloride	mg/kg (ppm)	1	79	22-139
Bromomethane	mg/kg (ppm)	1	137 vo	38-114
Chloroethane	mg/kg (ppm)	1	93	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	92	10-196
Acetone	mg/kg (ppm)	5	189 vo	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	91	47-128
Hexane	mg/kg (ppm)	1	95	43-142
Methylene chloride	mg/kg (ppm)	1	100	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	100	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	95	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	101	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	111	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	99	72-127
Chloroform	mg/kg (ppm)	1	101	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	100	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	103	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	97	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	101	69-128
Carbon tetrachloride	mg/kg (ppm)	1	100	60-139
Benzene	mg/kg (ppm)	1	100	71-118
Trichloroethene	mg/kg (ppm)	1	99	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	104	72-127
Bromodichloromethane	mg/kg (ppm)	1	99	57-126
Dibromomethane	mg/kg (ppm)	1	104	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	94	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	100	67-122
Toluene	mg/kg (ppm)	1	103	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	102	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	101	64-115
2-Hexanone	mg/kg (ppm)	5	90	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	102	72-130
Tetrachloroethene	mg/kg (ppm)	1	101	72-114
Dibromochloromethane	mg/kg (ppm)	1	107	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	104	74-132
Chlorobenzene	mg/kg (ppm)	1	101	76-111
Ethylbenzene	mg/kg (ppm)	1	101	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	102	64-121
m,p-Xylene	mg/kg (ppm)	2	102	78-122
o-Xylene	mg/kg (ppm)	1	104	77-124
Styrene	mg/kg (ppm)	1	97	74-126
Isopropylbenzene	mg/kg (ppm)	1	98	76-127
Bromoform	mg/kg (ppm)	1	109	56-132
n-Propylbenzene	mg/kg (ppm)	1	101	74-124
Bromobenzene	mg/kg (ppm)	1	102	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	105	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	102	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	105	61-137
2-Chlorotoluene	mg/kg (ppm)	1	104	74-121
4-Chlorotoluene	mg/kg (ppm)	1	103	75-122
tert-Butylbenzene	mg/kg (ppm)	1	104	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	104	76-125
sec-Butylbenzene	mg/kg (ppm)	1	104	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	102	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	102	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	99	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	103	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	92	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	91	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	94	50-153
Naphthalene	mg/kg (ppm)	1	78	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	78	63-138

Date of Report: 12/07/22
Date Received: 12/02/22
Project: Former Planters Hotel M0346.11.006, F&BI 212017

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample 1/0.5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	ug/L (ppb)	5	74	82	50-104	10
2-Methylnaphthalene	ug/L (ppb)	5	75	82	54-109	9
1-Methylnaphthalene	ug/L (ppb)	5	74	81	55-108	9
Acenaphthylene	ug/L (ppb)	5	90	99	60-114	10
Acenaphthene	ug/L (ppb)	5	86	95	57-110	10
Fluorene	ug/L (ppb)	5	90	99	61-115	10
Phenanthrene	ug/L (ppb)	5	89	100	63-113	12
Anthracene	ug/L (ppb)	5	90	100	65-117	11
Fluoranthene	ug/L (ppb)	5	98	110	68-121	12
Pyrene	ug/L (ppb)	5	108	114	66-125	5
Benz(a)anthracene	ug/L (ppb)	5	107	116	70-130	8
Chrysene	ug/L (ppb)	5	101	109	67-119	8
Benzo(a)pyrene	ug/L (ppb)	5	101	109	68-126	8
Benzo(b)fluoranthene	ug/L (ppb)	5	106	117	62-130	10
Benzo(k)fluoranthene	ug/L (ppb)	5	105	108	67-125	3
Indeno(1,2,3-cd)pyrene	ug/L (ppb)	5	105	113	63-131	7
Dibenz(a,h)anthracene	ug/L (ppb)	5	108	117	62-133	8
Benzo(g,h,i)perylene	ug/L (ppb)	5	101	110	57-133	9

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

212017 12/02/22 N2

Report To Evelyn Lindeen
Company MFA
Address
City, State, ZIP Seattle
Phone Email Elindeen@maulfoster

SAMPLERS (signature) Lisa M. Pritzl
PROJECT NAME former Pantages Hotel
PO # M0346.11.006
REMARKS
Project specific RLs? - Yes / No
INVOICE TO accounting@maulfoster

Page # of
TURNAROUND TIME
☒ Standard turnaround
☒ RUSH CSP-1 only
Rush charges authorized by:
SAMPLE DISPOSAL
☐ Archive samples
☐ Other
Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
						ANALYSES REQUESTED											
ESW1a-S-11.0	01 A-E	12-1-22	0729	Comp Soil	5	X	X			X	X						Standard TAT
ESW2a-S-11.0	02		0733														
ESW3a-S-11.0	03		0735														
ESW1a-S-11.0-Dup	04		0729														
CSP-1	05		0800														24 HR RUSH

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Lisa M. Pritzl	Lisa Pritzl	MFA	12-1-22	1500
Received by:	ANH PHAN	FSB	12/02/22	09:58
Relinquished by:				
Received by:		Samples received at	2 °C	

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

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5500 4th Avenue South
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fbi@isomedia.com
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December 22, 2022

Evelyn Lundeen, Project Manager
Maul Foster Alongi
2815 2nd Ave, Suite 540
Seattle, WA 98121

Dear Ms Lundeen:

Included are the results from the testing of material submitted on December 13, 2022 from the Former Planters Hotel M0346.11.006, F&BI 212208 project. There are 14 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
MFA1222R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 13, 2022 by Friedman & Bruya, Inc. from the Maul Foster Alongi Former Planters Hotel M0346.11.006, F&BI 212208 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Maul Foster Alongi
212208 -01	NSW1a-S-11.0

The 8260D matrix spike and matrix spike duplicate failed the relative percent difference for several compounds. The analytes were not detected therefore the data were acceptable.

The 8260D laboratory control sample exceeded the acceptance criteria for bromomethane. The compound was not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208
Date Extracted: 12/15/22
Date Analyzed: 12/15/22

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR PERCENT MOISTURE USING ASTM D2216-98

Sample ID Laboratory ID	% Moisture
NSW1a-S-11.0 212208-01	14

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208
Date Extracted: 12/14/22
Date Analyzed: 12/15/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
NSW1a-S-11.0 212208-01	10	118
Method Blank 02-2925 MB2	<5	112

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208
Date Extracted: 12/15/22
Date Analyzed: 12/15/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
NSW1a-S-11.0 212208-01	<50	<250	97
Method Blank 02-3003 MB2	<50	<250	96

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	NSW1a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/13/22	Project:	M0346.11.006, F&BI 212208
Date Extracted:	12/20/22	Lab ID:	212208-01 1/0.5
Date Analyzed:	12/20/22	Data File:	122007.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	84	120
Toluene-d8	104	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<0.1
Chloromethane	<1	Tetrachloroethene	0.047
Vinyl chloride	<0.002	Dibromochloromethane	<0.1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<0.005 j
Chloroethane	<0.2	Chlorobenzene	<0.1
Trichlorofluoromethane	<1	Ethylbenzene	0.0046
Acetone	<10	1,1,1,2-Tetrachloroethane	<0.1
1,1-Dichloroethene	<0.002	m,p-Xylene	0.021
Hexane	<0.5	o-Xylene	0.013
Methylene chloride	<0.4	Styrene	<0.1
Methyl t-butyl ether (MTBE)	<0.002	Isopropylbenzene	<0.1
trans-1,2-Dichloroethene	<0.004	Bromoform	<0.1
1,1-Dichloroethane	<0.004	n-Propylbenzene	<0.1
2,2-Dichloropropane	<0.1	Bromobenzene	<0.1
cis-1,2-Dichloroethene	<0.002	1,3,5-Trimethylbenzene	<0.1
Chloroform	<0.1	1,1,2,2-Tetrachloroethane	<0.1
2-Butanone (MEK)	<2	1,2,3-Trichloropropane	<0.1
1,2-Dichloroethane (EDC)	<0.004	2-Chlorotoluene	<0.1
1,1,1-Trichloroethane	<0.004	4-Chlorotoluene	<0.1
1,1-Dichloropropene	<0.1	tert-Butylbenzene	<0.1
Carbon tetrachloride	<0.1	1,2,4-Trimethylbenzene	<0.1
Benzene	0.0032	sec-Butylbenzene	<0.1
Trichloroethene	<0.002	p-Isopropyltoluene	<0.1
1,2-Dichloropropane	<0.1	1,3-Dichlorobenzene	<0.1
Bromodichloromethane	<0.1	1,4-Dichlorobenzene	<0.1
Dibromomethane	<0.1	1,2-Dichlorobenzene	<0.1
4-Methyl-2-pentanone	<2	1,2-Dibromo-3-chloropropane	<1
cis-1,3-Dichloropropene	<0.1	1,2,4-Trichlorobenzene	<0.5
Toluene	0.023	Hexachlorobutadiene	<0.5
trans-1,3-Dichloropropene	<0.1	Naphthalene	0.016
1,1,2-Trichloroethane	<0.1	1,2,3-Trichlorobenzene	<0.5
2-Hexanone	<1		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	M0346.11.006, F&BI 212208
Date Extracted:	12/20/22	Lab ID:	02-2975 mb 1/0.25
Date Analyzed:	12/20/22	Data File:	122006.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	84	120
Toluene-d8	93	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	NSW1a-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/13/22	Project:	M0346.11.006, F&BI 212208
Date Extracted:	12/13/22	Lab ID:	212208-01 1/25
Date Analyzed:	12/14/22	Data File:	121408.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	mg

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	68 d	15	144
2-Fluorobiphenyl	71 d	25	128
2,4,6-Tribromophenol	82 d	10	142
Terphenyl-d14	103 d	41	138

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.05
2-Methylnaphthalene	0.062
1-Methylnaphthalene	0.062
Acenaphthylene	<0.05
Acenaphthene	<0.05
Fluorene	<0.05
Phenanthrene	0.49
Anthracene	0.051
Fluoranthene	0.54
Pyrene	0.63
Benz(a)anthracene	0.27
Chrysene	0.31
Benzo(a)pyrene	0.42
Benzo(b)fluoranthene	0.59
Benzo(k)fluoranthene	0.18
Indeno(1,2,3-cd)pyrene	0.25
Dibenz(a,h)anthracene	<0.05
Benzo(g,h,i)perylene	0.24

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	M0346.11.006, F&BI 212208
Date Extracted:	12/13/22	Lab ID:	02-2996 mb 1/5
Date Analyzed:	12/14/22	Data File:	121324.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	JCM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	98	10	198
2-Fluorobiphenyl	92	45	117
2,4,6-Tribromophenol	96	11	158
Terphenyl-d14	100	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 212149-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	95	61-153

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 212222-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	8,000	80 b	100 b	70-130	22 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	98	70-130

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 212285-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	11	13	10-142	17
Chloromethane	mg/kg (ppm)	1	<0.5	37	41	10-126	10
Vinyl chloride	mg/kg (ppm)	1	<0.05	36	40	10-138	11
Bromomethane	mg/kg (ppm)	1	<0.5	119	94	10-163	23 vo
Chloroethane	mg/kg (ppm)	1	<0.5	58	62	10-176	7
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	46	47	10-176	2
Acetone	mg/kg (ppm)	5	<5	106	126	10-163	17
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	58	61	10-160	5
Hexane	mg/kg (ppm)	1	<0.25	33	44	10-137	29 vo
Methylene chloride	mg/kg (ppm)	1	<0.5	76	72	10-156	5
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	79	84	21-145	6
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	68	71	14-137	4
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	75	79	19-140	5
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	79	81	10-158	2
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	77	80	25-135	4
Chloroform	mg/kg (ppm)	1	<0.05	79	83	21-145	5
2-Butanone (MEK)	mg/kg (ppm)	5	<1	59	70	19-147	17
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	79	88	12-160	11
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	71	76	10-156	7
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	71	79	17-140	11
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	70	77	9-164	10
Benzene	mg/kg (ppm)	1	<0.03	76	81	29-129	6
Trichloroethene	mg/kg (ppm)	1	<0.02	76	86	21-139	12
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	77	86	30-135	11
Bromodichloromethane	mg/kg (ppm)	1	<0.05	75	81	23-155	8
Dibromomethane	mg/kg (ppm)	1	<0.05	81	87	23-145	7
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	75	84	24-155	11
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	74	83	28-144	11
Toluene	mg/kg (ppm)	1	<0.05	73	80	35-130	9
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	68	77	26-149	12
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	74	84	10-205	13
2-Hexanone	mg/kg (ppm)	5	<0.5	57	65	15-166	13
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	73	81	31-137	10
Tetrachloroethene	mg/kg (ppm)	1	<0.025	69	78	20-133	12
Dibromochloromethane	mg/kg (ppm)	1	<0.05	74	82	28-150	10
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	73	82	28-142	12
Chlorobenzene	mg/kg (ppm)	1	<0.05	73	82	32-129	12
Ethylbenzene	mg/kg (ppm)	1	<0.05	71	79	32-137	11
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	71	79	31-143	11
m,p-Xylene	mg/kg (ppm)	2	<0.1	72	79	34-136	9
o-Xylene	mg/kg (ppm)	1	<0.05	74	80	33-134	8
Styrene	mg/kg (ppm)	1	<0.05	68	76	35-137	11
Isopropylbenzene	mg/kg (ppm)	1	<0.05	69	76	31-142	10
Bromoform	mg/kg (ppm)	1	<0.05	71	81	21-156	13
n-Propylbenzene	mg/kg (ppm)	1	<0.05	68	80	23-146	16
Bromobenzene	mg/kg (ppm)	1	<0.05	69	80	34-130	15
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	<0.05	69	79	18-149	14
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	70	75	28-140	7
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	74	84	25-144	13
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	70	79	31-134	12
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	68	78	31-136	14
tert-Butylbenzene	mg/kg (ppm)	1	<0.05	71	82	30-137	14
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	<0.05	69	79	10-182	14
sec-Butylbenzene	mg/kg (ppm)	1	<0.05	70	82	23-145	16
p-Isopropyltoluene	mg/kg (ppm)	1	<0.05	69	81	21-149	16
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	68	78	30-131	14
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	66	77	29-129	15
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	70	80	31-132	13
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	64	77	11-161	18
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	59	70	22-142	17
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	58	69	10-142	17
Naphthalene	mg/kg (ppm)	1	<0.05	64	72	14-157	12
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	60	69	20-144	14

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	72	10-146
Chloromethane	mg/kg (ppm)	1	74	27-133
Vinyl chloride	mg/kg (ppm)	1	76	22-139
Bromomethane	mg/kg (ppm)	1	174 vo	38-114
Chloroethane	mg/kg (ppm)	1	105	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	104	10-196
Acetone	mg/kg (ppm)	5	140	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	100	47-128
Hexane	mg/kg (ppm)	1	112	43-142
Methylene chloride	mg/kg (ppm)	1	121	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	106	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	106	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	107	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	122	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	110	72-127
Chloroform	mg/kg (ppm)	1	110	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	87	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	112	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	106	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	112	69-128
Carbon tetrachloride	mg/kg (ppm)	1	110	60-139
Benzene	mg/kg (ppm)	1	112	71-118
Trichloroethene	mg/kg (ppm)	1	109	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	115	72-127
Bromodichloromethane	mg/kg (ppm)	1	106	57-126
Dibromomethane	mg/kg (ppm)	1	116	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	108	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	112	67-122
Toluene	mg/kg (ppm)	1	105	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	103	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	105	64-115
2-Hexanone	mg/kg (ppm)	5	82	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	105	72-130
Tetrachloroethene	mg/kg (ppm)	1	105	72-114
Dibromochloromethane	mg/kg (ppm)	1	108	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	107	74-132
Chlorobenzene	mg/kg (ppm)	1	109	76-111
Ethylbenzene	mg/kg (ppm)	1	105	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	100	64-121
m,p-Xylene	mg/kg (ppm)	2	105	78-122
o-Xylene	mg/kg (ppm)	1	108	77-124
Styrene	mg/kg (ppm)	1	101	74-126
Isopropylbenzene	mg/kg (ppm)	1	100	76-127
Bromoform	mg/kg (ppm)	1	108	56-132
n-Propylbenzene	mg/kg (ppm)	1	105	74-124
Bromobenzene	mg/kg (ppm)	1	105	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	105	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	105	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	107	61-137
2-Chlorotoluene	mg/kg (ppm)	1	105	74-121
4-Chlorotoluene	mg/kg (ppm)	1	105	75-122
tert-Butylbenzene	mg/kg (ppm)	1	106	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	104	76-125
sec-Butylbenzene	mg/kg (ppm)	1	106	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	106	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	105	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	102	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	104	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	97	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	94	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	90	50-153
Naphthalene	mg/kg (ppm)	1	97	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	91	63-138

Date of Report: 12/22/22
Date Received: 12/13/22
Project: Former Planters Hotel M0346.11.006, F&BI 212208

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 212133-02 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	84	80	50-150	5
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	84	81	50-150	4
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	84	81	50-150	4
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	90	84	50-150	7
Acenaphthene	mg/kg (ppm)	0.83	<0.01	87	83	50-150	5
Fluorene	mg/kg (ppm)	0.83	<0.01	90	86	50-150	5
Phenanthrene	mg/kg (ppm)	0.83	<0.01	87	84	10-170	4
Anthracene	mg/kg (ppm)	0.83	<0.01	89	86	50-150	3
Fluoranthene	mg/kg (ppm)	0.83	<0.01	90	85	10-203	6
Pyrene	mg/kg (ppm)	0.83	<0.01	92	94	10-208	2
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	92	86	37-146	7
Chrysene	mg/kg (ppm)	0.83	<0.01	91	87	36-144	4
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	93	88	40-150	6
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	93	86	45-157	8
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	92	89	50-150	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	102	107	24-145	5
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	100	103	31-137	3
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	98	102	14-141	4

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	84	61-102
2-Methylnaphthalene	mg/kg (ppm)	0.83	85	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	86	62-108
Acenaphthylene	mg/kg (ppm)	0.83	91	61-111
Acenaphthene	mg/kg (ppm)	0.83	91	61-110
Fluorene	mg/kg (ppm)	0.83	93	62-114
Phenanthrene	mg/kg (ppm)	0.83	88	64-112
Anthracene	mg/kg (ppm)	0.83	91	63-111
Fluoranthene	mg/kg (ppm)	0.83	90	66-115
Pyrene	mg/kg (ppm)	0.83	100	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	91	64-116
Chrysene	mg/kg (ppm)	0.83	92	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	94	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	94	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	94	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	107	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	104	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	106	67-126

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

212208

SAMPLE CHAIN OF CUSTODY 12/13/22 N1

Report To Evelyn Lundeen

Company MFA

Address

City, State, ZIP Seattle

Phone Email ~~Evelyn~~ Elundeen@maulfoster

SAMPLERS (*signature*) Lisa M. Pitz

PROJECT NAME: former Flanders Hotel

PO #: M0346.11.006

REMARKS: Project specific RLs? - Yes / No

INVOICE TO: accounting@maulfoster.com

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH _____
- Rush charges authorized by: _____

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other _____
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	ANALYSES REQUESTED: NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082					Notes
NSW1a-S-11.0	01A-E	12-8-22	0800	S	4	X	X			X	X						Rec 5 samples at lab (AP)

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Lisa M. Pitz	Lisa M. Pitz	MFA	12-9-22	1300
Received by:	Nhan Phan	FEDEX 12/13/22	12-13-22	10:30
Relinquished by:				
Received by:		Samples received at 4 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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December 5, 2022

Lisa Pritzl, Project Manager
Maul Foster Alongi
3140 NE Broadway St
Portland, OR 97232

Dear Ms Pritzl:

Included are the additional results from the testing of material submitted on December 1, 2022 from the Planters Hotel M0346.11.006, F&BI 212001 project. There are 23 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: lpritzl@maulfoster.comMFA1205R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 1, 2022 by Friedman & Bruya, Inc. from the Maul Foster Alongi Planters Hotel M0346.11.006, F&BI 212001 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Maul Foster Alongi
212001 -02	SSW1-S-10.0
212001 -03	WSW1-S-10.0
212001 -04	WSW3-S-11.0
212001 -05	WSW2-S-11.0
212001 -06	NSW1-S-11.0

The 8260D calibration standard failed the acceptance criteria for 2-butanone. The data were flagged accordingly.

Several 8260D compounds exceeded the acceptance criteria in the matrix spike samples and the laboratory control sample. The compounds were not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001
Date Extracted: 12/01/22
Date Analyzed: 12/01/22

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR PERCENT MOISTURE USING ASTM D2216-98

Sample ID Laboratory ID	% Moisture
SSW1-S-10.0.0 212001-02	20
WSW1-S-10.0 212001-03	20
WSW3-S-11.0 212001-04	20
WSW2-S-11.0 212001-05	19
NSW1-S-11.0 212001-06	23

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001
Date Extracted: 12/02/22
Date Analyzed: 12/02/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
SSW1-S-10.0 212001-02	<5	100
WSW1-S-10.0 212001-03	<5	96
WSW3-S-11.0 212001-04	<5	94
WSW2-S-11.0 212001-05	<5	98
NSW1-S-11.0 212001-06	<5	93
Method Blank 02-2733 MB	<5	107

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001
Date Extracted: 12/01/22
Date Analyzed: 12/01/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SSW1-S-10.0 212001-02	<50	<250	104
WSW1-S-10.0 212001-03	<50	<250	101
WSW3-S-11.0 212001-04	<50	<250	102
WSW2-S-11.0 212001-05	<50	<250	108
NSW1-S-11.0 212001-06	<50	<250	105
Method Blank 02-2895 MB	<50	<250	103

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	SSW1-S-10.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-02 1/0.25
Date Analyzed:	12/01/22	Data File:	120110.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	84	120
Toluene-d8	95	73	128
4-Bromofluorobenzene	98	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	0.0010	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	WSW1-S-10.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-03 1/0.25
Date Analyzed:	12/01/22	Data File:	120111.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	84	120
Toluene-d8	106	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	WSW3-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-04 1/0.25
Date Analyzed:	12/01/22	Data File:	120112.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	84	120
Toluene-d8	98	73	128
4-Bromofluorobenzene	100	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	WSW2-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-05 1/0.25
Date Analyzed:	12/01/22	Data File:	120113.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	84	120
Toluene-d8	104	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	NSW1-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-06 1/0.25
Date Analyzed:	12/01/22	Data File:	120114.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	84	120
Toluene-d8	94	73	128
4-Bromofluorobenzene	102	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	0.012
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	02-2830 mb 1/0.25
Date Analyzed:	12/01/22	Data File:	120108.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SSW1-S-10.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-02 1/5
Date Analyzed:	12/02/22	Data File:	120133.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	85	10	198
2-Fluorobiphenyl	88	45	117
2,4,6-Tribromophenol	76	11	158
Terphenyl-d14	93	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	WSW1-S-10.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-03 1/5
Date Analyzed:	12/02/22	Data File:	120134.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	80	10	198
2-Fluorobiphenyl	82	45	117
2,4,6-Tribromophenol	84	11	158
Terphenyl-d14	88	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	WSW3-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-04 1/5
Date Analyzed:	12/02/22	Data File:	120135.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	82	10	198
2-Fluorobiphenyl	86	45	117
2,4,6-Tribromophenol	77	11	158
Terphenyl-d14	90	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	WSW2-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-05 1/5
Date Analyzed:	12/02/22	Data File:	120136.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	78	10	198
2-Fluorobiphenyl	83	45	117
2,4,6-Tribromophenol	81	11	158
Terphenyl-d14	92	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	NSW1-S-11.0	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-06 1/5
Date Analyzed:	12/02/22	Data File:	120206.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	81	10	198
2-Fluorobiphenyl	86	45	117
2,4,6-Tribromophenol	71	11	158
Terphenyl-d14	96	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	0.011
2-Methylnaphthalene	0.010
1-Methylnaphthalene	<0.01
Acenaphthylene	0.029
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	0.072
Anthracene	0.019
Fluoranthene	0.38
Pyrene	0.36
Benz(a)anthracene	0.26
Chrysene	0.23
Benzo(a)pyrene	0.31
Benzo(b)fluoranthene	0.35
Benzo(k)fluoranthene	0.13
Indeno(1,2,3-cd)pyrene	0.23
Dibenz(a,h)anthracene	0.045
Benzo(g,h,i)perylene	0.19

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	02-2893 mb1/5
Date Analyzed:	12/02/22	Data File:	120131.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	89	10	198
2-Fluorobiphenyl	92	45	117
2,4,6-Tribromophenol	81	11	158
Terphenyl-d14	105	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL OR PRODUCT SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 211366-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	105	70-130

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 212005-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	2,900	104 b	132 b	70-130	24 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	2,000	93	70-130

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 211410-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	44	41	10-142	7
Chloromethane	mg/kg (ppm)	1	<0.5	66	64	10-126	3
Vinyl chloride	mg/kg (ppm)	1	<0.05	69	68	10-138	1
Bromomethane	mg/kg (ppm)	1	<0.5	77	81	10-163	5
Chloroethane	mg/kg (ppm)	1	<0.5	84	80	10-176	5
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	82	78	10-176	5
Acetone	mg/kg (ppm)	5	<5	219 vo	217 vo	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	84	83	10-160	1
Hexane	mg/kg (ppm)	1	<0.25	94	92	10-137	2
Methylene chloride	mg/kg (ppm)	1	<0.5	89	86	10-156	3
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	99	98	21-145	1
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	91	89	14-137	2
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	97	97	19-140	0
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	111	108	10-158	3
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	96	96	25-135	0
Chloroform	mg/kg (ppm)	1	<0.05	99	99	21-145	0
2-Butanone (MEK)	mg/kg (ppm)	5	<1	120	117	19-147	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	104	100	12-160	4
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	95	92	10-156	3
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	97	96	17-140	1
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	94	92	9-164	2
Benzene	mg/kg (ppm)	1	0.050	98	98	29-129	0
Trichloroethene	mg/kg (ppm)	1	<0.02	95	94	21-139	1
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	113	111	30-135	2
Bromodichloromethane	mg/kg (ppm)	1	<0.05	102	100	23-155	2
Dibromomethane	mg/kg (ppm)	1	<0.05	101	99	23-145	2
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	102	100	24-155	2
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	100	98	28-144	2
Toluene	mg/kg (ppm)	1	4.0	122 b	134 b	35-130	9 b
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	101	101	26-149	0
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	207 vo	204	10-205	1
2-Hexanone	mg/kg (ppm)	5	<0.5	106	102	15-166	4
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	98	102	31-137	4
Tetrachloroethene	mg/kg (ppm)	1	<0.025	94	92	20-133	2
Dibromochloromethane	mg/kg (ppm)	1	<0.05	98	97	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	100	100	28-142	0
Chlorobenzene	mg/kg (ppm)	1	<0.05	98	99	32-129	1
Ethylbenzene	mg/kg (ppm)	1	2.4	93 b	100 b	32-137	7 b
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	97	95	31-143	2
m,p-Xylene	mg/kg (ppm)	2	16	108 b	107 b	34-136	1 b
o-Xylene	mg/kg (ppm)	1	8.0	106 b	104 b	33-134	2 b
Styrene	mg/kg (ppm)	1	0.22	99 b	98 b	35-137	1 b
Isopropylbenzene	mg/kg (ppm)	1	1.8	102 b	99 b	31-142	3 b
Bromoform	mg/kg (ppm)	1	<0.05	100	100	21-156	0
n-Propylbenzene	mg/kg (ppm)	1	4.1	97 b	96 b	23-146	1 b
Bromobenzene	mg/kg (ppm)	1	<0.05	89	89	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	9.8	128 b	109 b	18-149	16 b
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	285 vo	291 vo	28-140	2
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	97	96	25-144	1
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	420 vo	416 vo	31-134	1
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	207 vo	205 vo	31-136	1
tert-Butylbenzene	mg/kg (ppm)	1	0.057	101	99	30-137	2
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	37	129 b	62 b	10-182	70 b
sec-Butylbenzene	mg/kg (ppm)	1	3.2	115 b	109 b	23-145	5 b
p-Isopropyltoluene	mg/kg (ppm)	1	2.1	105 b	101 b	21-149	4 b
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	95	95	30-131	0
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	91	90	29-129	1
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	96	96	31-132	0
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	178 vo	170 vo	11-161	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	0 vo	93	22-142	200
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	150 vo	148 vo	10-142	1
Naphthalene	mg/kg (ppm)	1	1.6	78 b	70 b	14-157	11 b
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	86	79	20-144	8

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	41	10-146
Chloromethane	mg/kg (ppm)	1	57	27-133
Vinyl chloride	mg/kg (ppm)	1	62	22-139
Bromomethane	mg/kg (ppm)	1	111	38-114
Chloroethane	mg/kg (ppm)	1	77	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	71	10-196
Acetone	mg/kg (ppm)	5	155 vo	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	71	47-128
Hexane	mg/kg (ppm)	1	78	43-142
Methylene chloride	mg/kg (ppm)	1	70	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	78	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	74	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	79	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	87	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	77	72-127
Chloroform	mg/kg (ppm)	1	80	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	81	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	82	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	76	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	81	69-128
Carbon tetrachloride	mg/kg (ppm)	1	77	60-139
Benzene	mg/kg (ppm)	1	79	71-118
Trichloroethene	mg/kg (ppm)	1	81	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	83	72-127
Bromodichloromethane	mg/kg (ppm)	1	79	57-126
Dibromomethane	mg/kg (ppm)	1	81	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	75	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	79	67-122
Toluene	mg/kg (ppm)	1	79	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	77	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	80	64-115
2-Hexanone	mg/kg (ppm)	5	71	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	80	72-130
Tetrachloroethene	mg/kg (ppm)	1	80	72-114
Dibromochloromethane	mg/kg (ppm)	1	82	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	80	74-132
Chlorobenzene	mg/kg (ppm)	1	80	76-111
Ethylbenzene	mg/kg (ppm)	1	79	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	77	64-121
m,p-Xylene	mg/kg (ppm)	2	80	78-122
o-Xylene	mg/kg (ppm)	1	79	77-124
Styrene	mg/kg (ppm)	1	76	74-126
Isopropylbenzene	mg/kg (ppm)	1	76	76-127
Bromoform	mg/kg (ppm)	1	86	56-132
n-Propylbenzene	mg/kg (ppm)	1	81	74-124
Bromobenzene	mg/kg (ppm)	1	80	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	81	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	75	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	84	61-137
2-Chlorotoluene	mg/kg (ppm)	1	81	74-121
4-Chlorotoluene	mg/kg (ppm)	1	80	75-122
tert-Butylbenzene	mg/kg (ppm)	1	81	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	81	76-125
sec-Butylbenzene	mg/kg (ppm)	1	81	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	80	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	81	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	78	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	79	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	74	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	72	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	77	50-153
Naphthalene	mg/kg (ppm)	1	63	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	63	63-138

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 212002-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	85	89	50-150	5
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	89	97	50-150	9
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	88	95	50-150	8
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	94	98	50-150	4
Acenaphthene	mg/kg (ppm)	0.83	<0.01	89	92	50-150	3
Fluorene	mg/kg (ppm)	0.83	<0.01	93	98	50-150	5
Phenanthrene	mg/kg (ppm)	0.83	<0.01	87	92	10-170	6
Anthracene	mg/kg (ppm)	0.83	<0.01	93	97	50-150	4
Fluoranthene	mg/kg (ppm)	0.83	<0.01	98	101	10-203	3
Pyrene	mg/kg (ppm)	0.83	<0.01	89	91	10-208	2
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	95	99	37-146	4
Chrysene	mg/kg (ppm)	0.83	<0.01	91	94	36-144	3
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	100	105	40-150	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	94	104	45-157	10
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	96	99	50-150	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	103	99	24-145	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	101	100	31-137	1
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	106	103	14-141	3

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	90	61-102
2-Methylnaphthalene	mg/kg (ppm)	0.83	92	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	91	62-108
Acenaphthylene	mg/kg (ppm)	0.83	99	61-111
Acenaphthene	mg/kg (ppm)	0.83	93	61-110
Fluorene	mg/kg (ppm)	0.83	95	62-114
Phenanthrene	mg/kg (ppm)	0.83	96	64-112
Anthracene	mg/kg (ppm)	0.83	97	63-111
Fluoranthene	mg/kg (ppm)	0.83	101	66-115
Pyrene	mg/kg (ppm)	0.83	94	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	100	64-116
Chrysene	mg/kg (ppm)	0.83	95	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	105	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	101	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	100	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	107	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	106	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	112	67-126

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

~~211425~~ (AP) 212001 [redacted]

SAMPLE CHAIN OF CUSTODY

12/01/22 G2 / VS-C1

Report To Lisa Pratzl

Company MFA

Address

City, State, ZIP

Phone 509 710 5052 Email lpratzl@mailfoster

SAMPLERS (signature) Lisa Pratzl

PROJECT NAME: Planters Hotel

PO #: M0346.11.006

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

Page # ____ of ____

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	TCLP Pb Cd Cr				Notes
SP-1	01 A-F	11/29/22	~~1130~~		6	X	X			X	X		~~X~~				Yes TCLP
SSW1-S-10.0	02 A-D		1130		4												
WSW1-S-10.0	03		1030		4												
WSW3-S-11.0	04		1113		4												
WSW2-S-11.0	05		~~1309~~ 1052		4												
NSW1-S-11.0	06		1309		4												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Lisa Pratzl	Lisa Pratzl		11/29/22	1500
Received by:	ANHPHAN	FSB	12/01/22	09:44
Relinquished by:				
Received by:		Samples received at 2 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
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December 5, 2022

Lisa Pritzl, Project Manager
Maul Foster Alongi
3140 NE Broadway St
Portland, OR 97232

Dear Ms Pritzl:

Included are the results from the testing of material submitted on December 1, 2022 from the Planters Hotel M0346.11.006, F&BI 212001 project. There are 18 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: lpritzl@maulfoster.com
MFA1205R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 1, 2022 by Friedman & Bruya, Inc. from the Maul Foster Alongi Planters Hotel M0346.11.006, F&BI 212001 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Maul Foster Alongi
212001 -01	SP-1

The 8260D calibration standard failed the acceptance criteria for 2-butanone. The data were flagged accordingly.

Several 8260D compounds exceeded the acceptance criteria in the matrix spike samples and the laboratory control sample. The compounds were not detected, therefore the data were acceptable.

All other quality control requirements were acceptable.

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001
Date Extracted: 12/01/22
Date Analyzed: 12/01/22

RESULTS FROM THE ANALYSIS OF THE SOIL SAMPLES FOR PERCENT MOISTURE USING ASTM D2216-98

Sample ID Laboratory ID	% Moisture
SP-1 212001-01	20

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001
Date Extracted: 12/02/22
Date Analyzed: 12/02/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
SP-1 212001-01	14	109
Method Blank 02-2733 MB	<5	107

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001
Date Extracted: 12/01/22
Date Analyzed: 12/01/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
SP-1 212001-01	<50	<250	105
Method Blank 02-2895 MB	<50	<250	103

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	SP-1	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-01 1/0.25
Date Analyzed:	12/01/22	Data File:	120109.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	115	84	120
Toluene-d8	104	73	128
4-Bromofluorobenzene	101	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	0.0024
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	0.015
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	0.079
Hexane	<0.25	o-Xylene	0.040
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	0.081
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	0.28
Benzene	0.0016	sec-Butylbenzene	<0.05
Trichloroethene	0.0012	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	0.0062	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	0.69
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	02-2830 mb 1/0.25
Date Analyzed:	12/01/22	Data File:	120108.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	SP-1	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-01 1/25
Date Analyzed:	12/02/22	Data File:	120137.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	88 d	10	198
2-Fluorobiphenyl	92 d	45	117
2,4,6-Tribromophenol	93 d	11	158
Terphenyl-d14	98 d	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	2.4
2-Methylnaphthalene	22
1-Methylnaphthalene	14
Acenaphthylene	0.35
Acenaphthene	1.6
Fluorene	1.9
Phenanthrene	4.3
Anthracene	0.66
Fluoranthene	0.24
Pyrene	1.3
Benz(a)anthracene	0.58
Chrysene	0.67
Benzo(a)pyrene	0.42
Benzo(b)fluoranthene	0.15
Benzo(k)fluoranthene	<0.05
Indeno(1,2,3-cd)pyrene	0.11
Dibenz(a,h)anthracene	0.050
Benzo(g,h,i)perylene	0.18

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	Not Applicable	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	02-2893 mb1/5
Date Analyzed:	12/02/22	Data File:	120131.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	89	10	198
2-Fluorobiphenyl	92	45	117
2,4,6-Tribromophenol	81	11	158
Terphenyl-d14	105	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	SP-1	Client:	Maul Foster Alongi
Date Received:	12/01/22	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	212001-01
Date Analyzed:	12/02/22	Data File:	212001-01.037
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Cadmium	<1	1.0
Chromium	<1	5.0
Lead	<1	5.0

Analysis for TCLP Metals By EPA Method 6020B and 1311

Client ID:	Method Blank	Client:	Maul Foster Alongi
Date Received:	NA	Project:	Planters Hotel M0346.11.006, F&BI 212001
Date Extracted:	12/01/22	Lab ID:	I2-857 mb
Date Analyzed:	12/02/22	Data File:	I2-857 mb.035
Matrix:	Soil/Solid	Instrument:	ICPMS2
Units:	mg/L (ppm)	Operator:	SP

Analyte:	Concentration mg/L (ppm)	TCLP Limit
Cadmium	<1	1.0
Chromium	<1	5.0
Lead	<1	5.0

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL OR PRODUCT SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 211366-02 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<5	<5	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	105	70-130

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 212005-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	(Wet wt) Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	2,900	104 b	132 b	70-130	24 b

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	2,000	93	70-130

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 211410-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	1	<0.5	44	41	10-142	7
Chloromethane	mg/kg (ppm)	1	<0.5	66	64	10-126	3
Vinyl chloride	mg/kg (ppm)	1	<0.05	69	68	10-138	1
Bromomethane	mg/kg (ppm)	1	<0.5	77	81	10-163	5
Chloroethane	mg/kg (ppm)	1	<0.5	84	80	10-176	5
Trichlorofluoromethane	mg/kg (ppm)	1	<0.5	82	78	10-176	5
Acetone	mg/kg (ppm)	5	<5	219 vo	217 vo	10-163	1
1,1-Dichloroethene	mg/kg (ppm)	1	<0.05	84	83	10-160	1
Hexane	mg/kg (ppm)	1	<0.25	94	92	10-137	2
Methylene chloride	mg/kg (ppm)	1	<0.5	89	86	10-156	3
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	<0.05	99	98	21-145	1
trans-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	91	89	14-137	2
1,1-Dichloroethane	mg/kg (ppm)	1	<0.05	97	97	19-140	0
2,2-Dichloropropane	mg/kg (ppm)	1	<0.05	111	108	10-158	3
cis-1,2-Dichloroethene	mg/kg (ppm)	1	<0.05	96	96	25-135	0
Chloroform	mg/kg (ppm)	1	<0.05	99	99	21-145	0
2-Butanone (MEK)	mg/kg (ppm)	5	<1	120	117	19-147	3
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	<0.05	104	100	12-160	4
1,1,1-Trichloroethane	mg/kg (ppm)	1	<0.05	95	92	10-156	3
1,1-Dichloropropene	mg/kg (ppm)	1	<0.05	97	96	17-140	1
Carbon tetrachloride	mg/kg (ppm)	1	<0.05	94	92	9-164	2
Benzene	mg/kg (ppm)	1	0.050	98	98	29-129	0
Trichloroethene	mg/kg (ppm)	1	<0.02	95	94	21-139	1
1,2-Dichloropropane	mg/kg (ppm)	1	<0.05	113	111	30-135	2
Bromodichloromethane	mg/kg (ppm)	1	<0.05	102	100	23-155	2
Dibromomethane	mg/kg (ppm)	1	<0.05	101	99	23-145	2
4-Methyl-2-pentanone	mg/kg (ppm)	5	<1	102	100	24-155	2
cis-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	100	98	28-144	2
Toluene	mg/kg (ppm)	1	4.0	122 b	134 b	35-130	9 b
trans-1,3-Dichloropropene	mg/kg (ppm)	1	<0.05	101	101	26-149	0
1,1,2-Trichloroethane	mg/kg (ppm)	1	<0.05	207 vo	204	10-205	1
2-Hexanone	mg/kg (ppm)	5	<0.5	106	102	15-166	4
1,3-Dichloropropane	mg/kg (ppm)	1	<0.05	98	102	31-137	4
Tetrachloroethene	mg/kg (ppm)	1	<0.025	94	92	20-133	2
Dibromochloromethane	mg/kg (ppm)	1	<0.05	98	97	28-150	1
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	<0.05	100	100	28-142	0
Chlorobenzene	mg/kg (ppm)	1	<0.05	98	99	32-129	1
Ethylbenzene	mg/kg (ppm)	1	2.4	93 b	100 b	32-137	7 b
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	97	95	31-143	2
m,p-Xylene	mg/kg (ppm)	2	16	108 b	107 b	34-136	1 b
o-Xylene	mg/kg (ppm)	1	8.0	106 b	104 b	33-134	2 b
Styrene	mg/kg (ppm)	1	0.22	99 b	98 b	35-137	1 b
Isopropylbenzene	mg/kg (ppm)	1	1.8	102 b	99 b	31-142	3 b
Bromoform	mg/kg (ppm)	1	<0.05	100	100	21-156	0
n-Propylbenzene	mg/kg (ppm)	1	4.1	97 b	96 b	23-146	1 b
Bromobenzene	mg/kg (ppm)	1	<0.05	89	89	34-130	0
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	9.8	128 b	109 b	18-149	16 b
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	<0.05	285 vo	291 vo	28-140	2
1,2,3-Trichloropropane	mg/kg (ppm)	1	<0.05	97	96	25-144	1
2-Chlorotoluene	mg/kg (ppm)	1	<0.05	420 vo	416 vo	31-134	1
4-Chlorotoluene	mg/kg (ppm)	1	<0.05	207 vo	205 vo	31-136	1
tert-Butylbenzene	mg/kg (ppm)	1	0.057	101	99	30-137	2
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	37	129 b	62 b	10-182	70 b
sec-Butylbenzene	mg/kg (ppm)	1	3.2	115 b	109 b	23-145	5 b
p-Isopropyltoluene	mg/kg (ppm)	1	2.1	105 b	101 b	21-149	4 b
1,3-Dichlorobenzene	mg/kg (ppm)	1	<0.05	95	95	30-131	0
1,4-Dichlorobenzene	mg/kg (ppm)	1	<0.05	91	90	29-129	1
1,2-Dichlorobenzene	mg/kg (ppm)	1	<0.05	96	96	31-132	0
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	<0.5	178 vo	170 vo	11-161	5
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	<0.25	0 vo	93	22-142	200
Hexachlorobutadiene	mg/kg (ppm)	1	<0.25	150 vo	148 vo	10-142	1
Naphthalene	mg/kg (ppm)	1	1.6	78 b	70 b	14-157	11 b
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	<0.25	86	79	20-144	8

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	1	41	10-146
Chloromethane	mg/kg (ppm)	1	57	27-133
Vinyl chloride	mg/kg (ppm)	1	62	22-139
Bromomethane	mg/kg (ppm)	1	111	38-114
Chloroethane	mg/kg (ppm)	1	77	9-163
Trichlorofluoromethane	mg/kg (ppm)	1	71	10-196
Acetone	mg/kg (ppm)	5	155 vo	52-141
1,1-Dichloroethene	mg/kg (ppm)	1	71	47-128
Hexane	mg/kg (ppm)	1	78	43-142
Methylene chloride	mg/kg (ppm)	1	70	10-184
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	1	78	60-123
trans-1,2-Dichloroethene	mg/kg (ppm)	1	74	67-129
1,1-Dichloroethane	mg/kg (ppm)	1	79	68-115
2,2-Dichloropropane	mg/kg (ppm)	1	87	52-170
cis-1,2-Dichloroethene	mg/kg (ppm)	1	77	72-127
Chloroform	mg/kg (ppm)	1	80	66-120
2-Butanone (MEK)	mg/kg (ppm)	5	81	30-197
1,2-Dichloroethane (EDC)	mg/kg (ppm)	1	82	56-135
1,1,1-Trichloroethane	mg/kg (ppm)	1	76	62-131
1,1-Dichloropropene	mg/kg (ppm)	1	81	69-128
Carbon tetrachloride	mg/kg (ppm)	1	77	60-139
Benzene	mg/kg (ppm)	1	79	71-118
Trichloroethene	mg/kg (ppm)	1	81	63-121
1,2-Dichloropropane	mg/kg (ppm)	1	83	72-127
Bromodichloromethane	mg/kg (ppm)	1	79	57-126
Dibromomethane	mg/kg (ppm)	1	81	62-123
4-Methyl-2-pentanone	mg/kg (ppm)	5	75	45-145
cis-1,3-Dichloropropene	mg/kg (ppm)	1	79	67-122
Toluene	mg/kg (ppm)	1	79	66-126
trans-1,3-Dichloropropene	mg/kg (ppm)	1	77	72-132
1,1,2-Trichloroethane	mg/kg (ppm)	1	80	64-115
2-Hexanone	mg/kg (ppm)	5	71	33-152
1,3-Dichloropropane	mg/kg (ppm)	1	80	72-130
Tetrachloroethene	mg/kg (ppm)	1	80	72-114
Dibromochloromethane	mg/kg (ppm)	1	82	55-121
1,2-Dibromoethane (EDB)	mg/kg (ppm)	1	80	74-132
Chlorobenzene	mg/kg (ppm)	1	80	76-111
Ethylbenzene	mg/kg (ppm)	1	79	64-123
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	1	77	64-121
m,p-Xylene	mg/kg (ppm)	2	80	78-122
o-Xylene	mg/kg (ppm)	1	79	77-124
Styrene	mg/kg (ppm)	1	76	74-126
Isopropylbenzene	mg/kg (ppm)	1	76	76-127
Bromoform	mg/kg (ppm)	1	86	56-132
n-Propylbenzene	mg/kg (ppm)	1	81	74-124
Bromobenzene	mg/kg (ppm)	1	80	72-122
1,3,5-Trimethylbenzene	mg/kg (ppm)	1	81	76-126
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	1	75	56-143
1,2,3-Trichloropropane	mg/kg (ppm)	1	84	61-137
2-Chlorotoluene	mg/kg (ppm)	1	81	74-121
4-Chlorotoluene	mg/kg (ppm)	1	80	75-122
tert-Butylbenzene	mg/kg (ppm)	1	81	73-130
1,2,4-Trimethylbenzene	mg/kg (ppm)	1	81	76-125
sec-Butylbenzene	mg/kg (ppm)	1	81	71-130
p-Isopropyltoluene	mg/kg (ppm)	1	80	70-132
1,3-Dichlorobenzene	mg/kg (ppm)	1	81	75-121
1,4-Dichlorobenzene	mg/kg (ppm)	1	78	74-117
1,2-Dichlorobenzene	mg/kg (ppm)	1	79	76-121
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	1	74	58-138
1,2,4-Trichlorobenzene	mg/kg (ppm)	1	72	64-135
Hexachlorobutadiene	mg/kg (ppm)	1	77	50-153
Naphthalene	mg/kg (ppm)	1	63	63-140
1,2,3-Trichlorobenzene	mg/kg (ppm)	1	63	63-138

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: 212002-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Naphthalene	mg/kg (ppm)	0.83	<0.01	85	89	50-150	5
2-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	89	97	50-150	9
1-Methylnaphthalene	mg/kg (ppm)	0.83	<0.01	88	95	50-150	8
Acenaphthylene	mg/kg (ppm)	0.83	<0.01	94	98	50-150	4
Acenaphthene	mg/kg (ppm)	0.83	<0.01	89	92	50-150	3
Fluorene	mg/kg (ppm)	0.83	<0.01	93	98	50-150	5
Phenanthrene	mg/kg (ppm)	0.83	<0.01	87	92	10-170	6
Anthracene	mg/kg (ppm)	0.83	<0.01	93	97	50-150	4
Fluoranthene	mg/kg (ppm)	0.83	<0.01	98	101	10-203	3
Pyrene	mg/kg (ppm)	0.83	<0.01	89	91	10-208	2
Benz(a)anthracene	mg/kg (ppm)	0.83	<0.01	95	99	37-146	4
Chrysene	mg/kg (ppm)	0.83	<0.01	91	94	36-144	3
Benzo(a)pyrene	mg/kg (ppm)	0.83	<0.01	100	105	40-150	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	<0.01	94	104	45-157	10
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	<0.01	96	99	50-150	3
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	<0.01	103	99	24-145	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	<0.01	101	100	31-137	1
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	<0.01	106	103	14-141	3

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR SEMIVOLATILES BY EPA METHOD 8270E

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Naphthalene	mg/kg (ppm)	0.83	90	61-102
2-Methylnaphthalene	mg/kg (ppm)	0.83	92	62-108
1-Methylnaphthalene	mg/kg (ppm)	0.83	91	62-108
Acenaphthylene	mg/kg (ppm)	0.83	99	61-111
Acenaphthene	mg/kg (ppm)	0.83	93	61-110
Fluorene	mg/kg (ppm)	0.83	95	62-114
Phenanthrene	mg/kg (ppm)	0.83	96	64-112
Anthracene	mg/kg (ppm)	0.83	97	63-111
Fluoranthene	mg/kg (ppm)	0.83	101	66-115
Pyrene	mg/kg (ppm)	0.83	94	65-112
Benz(a)anthracene	mg/kg (ppm)	0.83	100	64-116
Chrysene	mg/kg (ppm)	0.83	95	66-119
Benzo(a)pyrene	mg/kg (ppm)	0.83	105	62-116
Benzo(b)fluoranthene	mg/kg (ppm)	0.83	101	61-118
Benzo(k)fluoranthene	mg/kg (ppm)	0.83	100	65-119
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.83	107	64-130
Dibenz(a,h)anthracene	mg/kg (ppm)	0.83	106	67-131
Benzo(g,h,i)perylene	mg/kg (ppm)	0.83	112	67-126

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel M0346.11.006, F&BI 212001

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL/SOLID SAMPLES FOR TCLP METALS USING EPA METHODS 6020B AND 1311

Laboratory Code: 212001-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Cadmium	mg/L (ppm)	0.5	<1	96	96	75-125	0
Chromium	mg/L (ppm)	2.0	<1	95	95	75-125	0
Lead	mg/L (ppm)	1.0	<1	88	88	75-125	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Cadmium	mg/L (ppm)	0.5	96	80-120
Chromium	mg/L (ppm)	2.0	94	80-120
Lead	mg/L (ppm)	1.0	90	80-120

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

~~211425~~ (AP) 212001 [redacted]

SAMPLE CHAIN OF CUSTODY

12/01/22 G2 / VS-C1

Report To Lisa Pratzl

Company MFA

Address

City, State, ZIP

Phone 509 710 5052 Email lpratzl@mailfoster

SAMPLERS (signature) Lisa Pratzl

PROJECT NAME: Planters Hotel

PO #: M0346.11.006

REMARKS

Project specific RLs? - Yes / No

INVOICE TO

Page # ____ of ____

TURNAROUND TIME
- ☐ Standard turnaround
- ☒ RUSH 24 hr
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	TCLP Pb Cd Cr				Notes
SP-1	01 A-F	11/29/22	~~1130~~		6	X	X			X	X		~~X~~				Yes TCLP
SSW1-S-10.0	02 A-D		1130		4												
WSW1-S-10.0	03		1030		4												
WSW3-S-11.0	04		1113		4												
WSW2-S-11.0	05		~~1309~~ 1052		4												
NSW1-S-11.0	06		1309		4												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Lisa Pratzl	Lisa Pratzl		11/29/22	1500
Received by:	ANHPHAN	FSB	12/01/22	09:44
Relinquished by:				
Received by:		Samples received at 2 °C		

Friedman & Bruya, Inc.
Ph. (206) 285-8282

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel Site Remediation, F&BI 212002
Date Extracted: 12/01/22
Date Analyzed: 12/02/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
Common Borrow 212002-01	<5	112
Method Blank 02-2733 MB	<5	107

Date of Report: 12/05/22
Date Received: 12/01/22
Project: Planters Hotel Site Remediation, F&BI 212002
Date Extracted: 12/01/22
Date Analyzed: 12/01/22

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL AND MOTOR OIL USING METHOD NWTPH-Dx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 50-150)
Common Borrow 212002-01	<50	<250	100
Method Blank 02-2890 MB	<50	<250	100

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Common Borrow	Client:	Van Belle Excavating, LLC
Date Received:	12/01/22	Project:	Planters, F&BI 212002
Date Extracted:	12/01/22	Lab ID:	212002-01 1/0.25
Date Analyzed:	12/01/22	Data File:	120115.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	84	120
Toluene-d8	96	73	128
4-Bromofluorobenzene	103	57	146

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition LL

Client Sample ID:	Method Blank	Client:	Van Belle Excavating, LLC
Date Received:	Not Applicable	Project:	Planters, F&BI 212002
Date Extracted:	12/01/22	Lab ID:	02-2830 mb 1/0.25
Date Analyzed:	12/01/22	Data File:	120108.D
Matrix:	Soil	Instrument:	GCMS13
Units:	mg/kg (ppm) Dry Weight	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.001
Vinyl chloride	<0.001	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.005
Chloroethane	<0.1	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.001
Acetone	<5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.001	m,p-Xylene	<0.002
Hexane	<0.25	o-Xylene	<0.001
Methylene chloride	<0.2	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.001	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.002	Bromoform	<0.05
1,1-Dichloroethane	<0.002	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.001	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<1 ca	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.002	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.002	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.001	sec-Butylbenzene	<0.05
Trichloroethene	<0.001	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<1	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.001	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.005
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Common Borrow	Client:	Van Belle Excavating, LLC
Date Received:	12/01/22	Project:	Planters, F&BI 212002
Date Extracted:	12/01/22	Lab ID:	212002-01 1/5
Date Analyzed:	12/02/22	Data File:	120132.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	87	10	198
2-Fluorobiphenyl	89	45	117
2,4,6-Tribromophenol	84	11	158
Terphenyl-d14	95	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270E

Client Sample ID:	Method Blank	Client:	Van Belle Excavating, LLC
Date Received:	Not Applicable	Project:	Planters, F&BI 212002
Date Extracted:	12/01/22	Lab ID:	02-2893 mb1/5
Date Analyzed:	12/02/22	Data File:	120131.D
Matrix:	Soil	Instrument:	GCMS12
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Nitrobenzene-d5	89	10	198
2-Fluorobiphenyl	92	45	117
2,4,6-Tribromophenol	81	11	158
Terphenyl-d14	105	50	124

Compounds:	Concentration mg/kg (ppm)
Naphthalene	<0.01
2-Methylnaphthalene	<0.01
1-Methylnaphthalene	<0.01
Acenaphthylene	<0.01
Acenaphthene	<0.01
Fluorene	<0.01
Phenanthrene	<0.01
Anthracene	<0.01
Fluoranthene	<0.01
Pyrene	<0.01
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01
Benzo(g,h,i)perylene	<0.01

DATA QUALITY ASSURANCE/QUALITY CONTROL REVIEW

PROJECT NO. M0346.11.006 | DECEMBER 30, 2022 | PORT OF SUNNYSIDE

Maul Foster & Alongi, Inc. (MFA), conducted an independent Stage 2A review of the quality of analytical results for soil and associated quality control samples collected in November and December 2022 at the former Planters Hotel site located at 400 S Sixth Street in Sunnyside, Washington.

Friedman & Bruya, Inc. (FBI), performed the analyses. MFA reviewed FBI report numbers 212001, 212001 additional, 212017, and 212208. The analyses performed and the samples analyzed are listed in the following tables. Not all analyses were performed on each sample.

Analysis	Reference
Diesel- and motor-oil-range hydrocarbons	NWTPH-Dx
Gasoline-range hydrocarbons	NWTPH-Gx
Percent moisture	ASTM D2216-98
Polycyclic aromatic hydrocarbons	EPA 8270E
Volatile organic compounds	EPA 8260D
TCLP metals	EPA 6020B/1311
Notes ASTM = ASTM International. EPA = U.S. Environmental Protection Agency. NWTPH = Northwest Total Petroleum Hydrocarbons. TCLP = toxicity characteristic leaching procedure.	

Samples Analyzed		
Report 212001 additional	**Report 212001**	**Report 212017**
SSW1-S-10.0	SP-1	ESW1a-S-11.0
WSW1-S-10.0	**Report 212208**	ESW2a-S-11.0
WSW3-S-11.0	NSW1a-S-11.0	ESW3a-S-11.0
WSW2-S-11.0	--	ESW1a-SS-11.0-Dup
NSW1-S-11.0	--	CSP-1

DATA QUALIFICATION

Analytical results were evaluated according to applicable sections of U.S. Environmental Protection Agency (EPA) guidelines for data review (EPA 2020a, 2020b) and appropriate laboratory- and method-specific guidelines (EPA 1986, FBI 2019).

Data validation procedures were modified, as appropriate, to accommodate quality control requirements for methods that EPA data review procedures do not specifically address (e.g., Northwest Total Petroleum Hydrocarbons [NWTPH]-Dx).

Based on the results of the data quality review procedures described below, the data, with the appropriate final data qualifiers assigned, are considered acceptable for their intended use. Final data qualifiers represent qualifiers originating from the laboratory and accepted by the reviewer, and data qualifiers assigned by the reviewer during validation.

Final data qualifiers:

- U = result is non-detect at the method reporting limit (MRL).
- UJ = result is non-detect with an estimated MRL.

In reports 212001 and 212001 additional, FBI noted that the EPA Method 8260D 2-butanone results for SP-1, SSW1-S-10.0, WSW1-S-10.0, WSW3-S-11.0, WSW2-S-11.0, NSW1-S-11.0 are considered estimates due to the calibration result being outside of acceptance criteria. All associated sample results were non-detect and were qualified by the reviewer with UJ, as shown in the following table.

Report	Sample	Analyte	Original Result (mg/kg)	Qualified Result (mg/kg)
212001	SP-1	2-Butanone	1 U	1 UJ
212001 additional	SSW1-S-10.0		1 U	1 UJ
	WSW1-S-10.0		1 U	1 UJ
	WSW3-S-11.0		1 U	1 UJ
	WSW2-S-11.0		1 U	1 UJ
	NSW1-S-11.0		1 U	1 UJ

Notes
mg/kg = milligrams per kilogram.
U = result is non-detect at the method reporting limit.
UJ = result is non-detect with an estimated reporting limit.

In report 212017, FBI noted that the EPA Method 8260D acetone results for ESW1a-S-11.0 and CSP-1 are considered estimates due to the calibration result being outside of acceptance criteria. All associated sample results were non-detect and were qualified by the reviewer with UJ, as shown in the following table.

Report	Sample	Analyte	Original Result (mg/kg)	Qualified Result (mg/kg)
212017	ESW1a-S-11.0	Acetone	5 U	5 UJ
	CSP-1		5 U	5 UJ

Notes
mg/kg = milligrams per kilogram.
U = result is non-detect at the method reporting limit.
UJ = result is non-detect with an estimated reporting limit.

SAMPLE CONDITIONS

Sample Custody

Sample custody was appropriately documented on the chain-of-custody forms accompanying the reports. Samples were sealed within a cooler and shipped to the laboratory, explaining the gap in custody.

Holding Times

Extractions and analyses were performed within the recommended holding times.

Preservation and Sample Storage

The samples were preserved and stored appropriately.

REPORTING LIMITS

The laboratory evaluated results to MRLs. Samples that required dilutions because of high analyte concentrations, matrix interferences, and/or dilutions necessary for preparation and/or analysis were reported with raised MRLs.

The reviewer confirmed that when samples were diluted for analysis or when a higher sample volume was used for the extraction, FBI provided the preparation or dilution factor after the laboratory sample identification number.

In report 212208, the laboratory flagged the EPA Method 8260D non-detect 1,2-dibromoethane result from sample NSW1a-S-11.0 as below the lowest calibration standard and estimated. The reviewer confirmed with the laboratory that the reporting limits were raised due to high percent moisture present in the sample. The 1,2-dibromoethane result did not need additional qualification due to the raised MRL result.

BLANKS

Method Blanks

Laboratory method blanks are used to assess whether laboratory contamination was introduced during sample preparation and analysis. Laboratory method blank analyses were performed at the required frequencies. For purposes of data qualification, the laboratory method blanks were associated with all samples prepared in the analytical batch.

All laboratory method blank results were non-detect to MRLs.

Equipment Rinsate Blanks

Equipment rinsate blanks are used to evaluate field equipment decontamination. These blanks were not required for this sampling event, as all samples were collected using dedicated, single-use equipment.

Trip Blanks

Trip blanks are used to evaluate whether volatile organic compound contamination was introduced during sample storage and during shipment between the sampling location and the laboratory.

A trip blank sample was not submitted for analysis. Sample storage and shipment conditions could not be evaluated by the reviewer for potential volatile organic compound contamination.

LABORATORY CONTROL SAMPLE AND LABORATORY CONTROL SAMPLE DUPLICATE RESULTS

A laboratory control sample (LCS) and a laboratory control sample duplicate (LCSD) are spiked with target analytes to provide information about laboratory precision and accuracy. FBI did not report LCSDs for any methods and laboratory accuracy was evaluated using matrix spike (MS) and matrix spike duplicate (MSD) or laboratory duplicate results. The LCSs were prepared and analyzed at the required frequency.

According to reports 212001 and 212001 additional, the EPA Method 8260D LCS result for acetone was above the upper percent recovery acceptance limit of 141 percent, at 155 percent. The associated samples were non-detect for acetone; thus, no qualifications were necessary.

According to report 212017, the EPA Method 8260D LCS results for bromomethane and acetone were above their respective upper percent acceptance limits, at 137 percent and 189 percent, respectively. The associated sample results were non-detect; thus, no qualifications were necessary.

According to report 212208, the EPA Method 8260D LCS result for bromomethane was above the upper percent recovery acceptance limit of 114 percent, at 174 percent. The associated sample results were non-detect for bromomethane; thus, no qualifications were necessary.

All remaining LCS results were within acceptance limits for percent recovery.

LABORATORY DUPLICATE RESULTS

Laboratory duplicate results are used to evaluate laboratory precision. Laboratory duplicate samples were only reported with NWTPH-Gx analysis. When laboratory duplicate samples were not prepared, batch precision was evaluated through MS and MSD results.

All NWTPH-Gx laboratory duplicate samples were prepared and analyzed at the required frequency and met the acceptance criteria.

MATRIX SPIKE AND MATRIX SPIKE DUPLICATE RESULTS

MS and MSD results are used to evaluate laboratory precision, accuracy, and the effect of the sample matrix on sample preparation and analysis. In accordance with the method, the NWTPH-Gx analysis did not require an MS and MSD to be analyzed. All MS and MSD samples were prepared and analyzed at the required frequency.

When MS and MSD were prepared from samples with high concentrations of target analytes, associated MS and/or MSD percent recovery and/or relative percent difference (RPD) control limit exceedances did not require qualification because spike concentrations could not be accurately quantified. High concentrations of target analytes are defined as four times the spike amount for all analyses.

When MS and MSD were prepared with samples from unrelated projects, the MS and/or MSD percent recovery and/or RPD control limit exceedances did not require qualification because these sample matrices were not representative of project sample matrices.

All remaining MS and MSD results were within acceptance limits for percent recovery and RPD.

SURROGATE RECOVERY RESULTS

The samples were spiked with surrogate compounds to evaluate laboratory performance for individual samples for organic analyses.

All surrogate results were within percent recovery acceptance limits.

FIELD DUPLICATE RESULTS

Field duplicate samples measure both field and laboratory precision. The following field duplicate and parent sample pair was submitted for analysis:

Report	Parent Sample	Field Duplicate Sample
212017	ESW1A-S-11.0	ESW1A-S-11.0-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. RPD was not evaluated when both results in the sample pair were non-detect. When one result in the sample pair was non-detect, RPD was evaluated using the MRL of the non-detect result.

All field duplicate results met the RPD acceptance criteria.

DATA PACKAGE

The data package was reviewed for transcription errors, omissions, and anomalies.

The reviewer confirmed that the project manager requested SP-1 to be split from the original chain of custody and reported with 212001-additional. No additional action was required by the reviewer.

No additional issues were found.

REFERENCES

EPA. 1986. *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods.* EPA publication SW-846. 3rd 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), VI phase III (2019), VII phase I (2019), and VII phase II (2020).

EPA. 2020a. *National Functional Guidelines for Inorganic Superfund Methods Data Review.* EPA 542-R-20-006. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation: Washington, DC. November.

EPA. 2020b. *National Functional Guidelines for Organic Superfund Methods Data Review.* EPA 540-R-20-005. U.S. Environmental Protection Agency, Office of Superfund Remediation and Technology Innovation: Washington, DC. November.

FBI. 2019. Quality Assurance Manual. Rev. 17. Friedman & Bruya, Inc.: Seattle, WA. November 6.

APPENDIX C

TRUCK IMPORT AND EXPORT TICKETS

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335054**
Date: 12/12/2022
Time: 8:09:31AM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	58,700	29.35
Tare	25,780	12.89
Net	32,920	16.46

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	1	16.46	16.46	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

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Product	Loads	Total Qty	Ticket Qty	UOM
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	Pounds	Tons
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WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	1	16.46	16.46	Ton

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335055**
Date: 12/12/2022
Time: 8:10:59AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	57,680	28.84
Tare	30,020	15.01
Net	27,660	13.83

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	2	30.29	13.83	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

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Net	27,660	13.83

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335056**
Date: 12/12/2022
Time: 9:34:25AM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	59,100	29.55
Tare	25,940	12.97
Net	33,160	16.58

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	3	46.87	16.58	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335056**
Date: 12/12/2022
Time: 9:34:25AM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	59,100	29.55
Tare	25,940	12.97
Net	33,160	16.58

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	3	46.87	16.58	Ton

Thank you for your business!

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Toppenish, WA 98948

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Ticket: **19335056**
Date: 12/12/2022
Time: 9:34:25AM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	59,100	29.55
Tare	25,940.00	12.97
Net	33,160.00	16.58

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	3	46.87	16.58	Ton

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335057**
Date: 12/12/2022
Time: 9:36:29AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	63,300	31.65
Tare	30,020	15.01
Net	33,280	16.64

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	4	63.51	16.64	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335057**
Date: 12/12/2022
Time: 9:36:29AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	63,300	31.65
Tare	30,020	15.01
Net	33,280	16.64

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	4	63.51	16.64	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335057**
Date: 12/12/2022
Time: 9:36:29AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	63,300	31.65
Tare	30,020.00	15.01
Net	33,280.00	16.64

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	4	63.51	16.64	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335058**
Date: 12/12/2022
Time: 10:44:26AM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,340	31.17
Tare	25,940	12.97
Net	36,400	18.20

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	5	81.71	18.20	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335058**
Date: 12/12/2022
Time: 10:44:26AM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,340	31.17
Tare	25,940	12.97
Net	36,400	18.20

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	5	81.71	18.20	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335058**
Date: 12/12/2022
Time: 10:44:26AM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,340	31.17
Tare	25,940.00	12.97
Net	36,400.00	18.20

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	5	81.71	18.20	Ton

Thank you for your business!

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335059**
Date: 12/12/2022
Time: 10:52:46AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	65,860	32.93
Tare	30,020	15.01
Net	35,840	17.92

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	6	99.63	17.92	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335059**
Date: 12/12/2022
Time: 10:52:46AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	65,860	32.93
Tare	30,020	15.01
Net	35,840	17.92

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	6	99.63	17.92	Ton

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441 E. McDonald Rd

Toppenish, WA 98948

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CUSTOMER COPY

Ticket: **19335059**
Date: 12/12/2022
Time: 10:52:46AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	65,860	32.93
Tare	30,020.00	15.01
Net	35,840.00	17.92

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	6	99.63	17.92	Ton

Thank you for your business!

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Central Pre-Mix

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335060**
Date: 12/12/2022
Time: 12:16:02PM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,200	31.10
Tare	25,940	12.97
Net	36,260	18.13

WM: Stephanie Morehouse

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	7	117.76	18.13	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

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Ticket: **19335060**
Date: 12/12/2022
Time: 12:16:02PM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,200	31.10
Tare	25,940	12.97
Net	36,260	18.13

WM: Stephanie Morehouse

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	7	117.76	18.13	Ton

Thank you for your business!

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Toppenish, WA 98948

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Time: 12:16:02PM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,200	31.10
Tare	25,940.00	12.97
Net	36,260.00	18.13

WM: Stephanie Morehouse

Product	Loads	Total Qty	Ticket Qty	UOM
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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335061**
Date: 12/12/2022
Time: 12:21:17PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,640	31.32
Tare	30,020	15.01
Net	32,620	16.31

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	8	134.07	16.31	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

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509-248-2041

CUSTOMER COPY

Ticket: **19335061**
Date: 12/12/2022
Time: 12:21:17PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,640	31.32
Tare	30,020	15.01
Net	32,620	16.31

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	8	134.07	16.31	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335061**
Date: 12/12/2022
Time: 12:21:17PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,640	31.32
Tare	30,020.00	15.01
Net	32,620.00	16.31

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	8	134.07	16.31	Ton

Thank you for your business!

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335063**
Date: 12/12/2022
Time: 1:25:32PM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	59,440	29.72
Tare	25,940	12.97
Net	33,500	16.75

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	9	150.82	16.75	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335063**
Date: 12/12/2022
Time: 1:25:32PM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

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Net	33,500	16.75

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	9	150.82	16.75	Ton

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441 E. McDonald Rd

Toppenish, WA 98948

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Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
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P.O.:

Address & Instructions:

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COMMON BARROW

	Pounds	Tons
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Net	33,500.00	16.75

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	9	150.82	16.75	Ton

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335064**
Date: 12/12/2022
Time: 1:38:47PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	63,940	31.97
Tare	30,020	15.01
Net	33,920	16.96

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	10	167.78	16.96	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

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Time: 1:38:47PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	63,940	31.97
Tare	30,020	15.01
Net	33,920	16.96

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	10	167.78	16.96	Ton

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335066**
Date: 12/12/2022
Time: 2:37:44PM
Vehicle: 510084
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	62,580	31.29
Tare	25,940	12.97
Net	36,640	18.32

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	11	186.10	18.32	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335067**
Date: 12/12/2022
Time: 2:41:39PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,300	32.15
Tare	30,020	15.01
Net	34,280	17.14

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	12	203.24	17.14	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

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Date: 12/12/2022
Time: 2:41:39PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,300	32.15
Tare	30,020	15.01
Net	34,280	17.14

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	12	203.24	17.14	Ton

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Customer: 38560
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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335074**
Date: 12/13/2022
Time: 11:15:48AM
Vehicle: T1
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: Q659689-4 - 2022 CPM South Pricing
Disp #:
Job:
P.O.: 6TH STREET

Address & Instructions:

PICKED UP AGG

	Pounds	Tons
Gross	101,680	50.84
Tare	44,160	22.08
Net	57,520	28.76

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	1	28.76	28.76	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335074**
Date: 12/13/2022
Time: 11:15:48AM
Vehicle: T1
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: Q659689-4 - 2022 CPM South Pricing
Disp #:
Job:
P.O.: 6TH STREET

Address & Instructions:

PICKED UP AGG

	Pounds	Tons
Gross	101,680	50.84
Tare	44,160	22.08
Net	57,520	28.76

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
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Central Pre-Mix

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Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335074**
Date: 12/13/2022
Time: 11:15:48AM
Vehicle: T1
Driver:

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335078**
Date: 12/13/2022
Time: 11:42:26AM
Vehicle: VAN*11
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: Q659689-4 - 2022 CPM South Pricing
Disp #:
Job:
P.O.: 6TH STREET

Address & Instructions:

PICKED UP AGG

	Pounds	Tons
Gross	92,940	46.47
Tare	39,420	19.71
Net	53,520	26.76

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	2	55.52	26.76	Ton

Signature: _____

Thank you for your business!

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335080**
Date: 12/13/2022
Time: 12:38:28PM
Vehicle: T1
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: Q659689-4 - 2022 CPM South Pricing
Disp #:
Job:
P.O.: 6TH STREET

Address & Instructions:

PICKED UP AGG

	Pounds	Tons
Gross	103,520	51.76
Tare	44,160	22.08
Net	59,360	29.68

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	3	85.20	29.68	Ton

Signature: _____

Thank you for your business!

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Central Pre-Mix

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Ticket: **19335080**
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Vehicle: T1
Driver:

Customer: 38560
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Disp #:
Job:
P.O.: 6TH STREET

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Gross	103,520	51.76
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Net	59,360	29.68

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Product	Loads	Total Qty	Ticket Qty	UOM
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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335069**
Date: 12/13/2022
Time: 8:08:49AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	65,220	32.61
Tare	30,020	15.01
Net	35,200	17.60

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	1	17.60	17.60	Ton

Signature: _____

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335070**
Date: 12/13/2022
Time: 9:13:42AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,040	32.02
Tare	30,020	15.01
Net	34,020	17.01

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	2	34.61	17.01	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335070**
Date: 12/13/2022
Time: 9:13:42AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,040	32.02
Tare	30,020	15.01
Net	34,020	17.01

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	2	34.61	17.01	Ton

Thank you for your business!

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335070**
Date: 12/13/2022
Time: 9:13:42AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,040	32.02
Tare	30,020.00	15.01
Net	34,020.00	17.01

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	2	34.61	17.01	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335072**
Date: 12/13/2022
Time: 10:26:05AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,280	32.14
Tare	30,020	15.01
Net	34,260	17.13

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	3	51.74	17.13	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335072**
Date: 12/13/2022
Time: 10:26:05AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,280	32.14
Tare	30,020	15.01
Net	34,260	17.13

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	3	51.74	17.13	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335072**
Date: 12/13/2022
Time: 10:26:05AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	64,280	32.14
Tare	30,020.00	15.01
Net	34,260.00	17.13

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	3	51.74	17.13	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix
01193 - CPM Toppenish - PS-E-158
441 E. McDonald Rd
Toppenish, WA 98948
509-248-2041

OFFICE COPY

Ticket: **19335073**
Date: 12/13/2022
Time: 10:30:44AM
Vehicle: 510908
Driver: Adrian G.

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:
400 S 6TH STREET, SUNNYSIDE
COMMON BARROW

	Pounds	Tons
Gross	60,680	30.34
Tare	27,660	13.83
Net	33,020	16.51

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	4	68.25	16.51	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix
01193 - CPM Toppenish - PS-E-158
441 E. McDonald Rd
Toppenish, WA 98948
509-248-2041

CUSTOMER COPY

Ticket: **19335073**
Date: 12/13/2022
Time: 10:30:44AM
Vehicle: 510908
Driver: Adrian G.

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:
400 S 6TH STREET, SUNNYSIDE
COMMON BARROW

	Pounds	Tons
Gross	60,680	30.34
Tare	27,660	13.83
Net	33,020	16.51

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	4	68.25	16.51	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix
01193 - CPM Toppenish - PS-E-158
441 E. McDonald Rd
Toppenish, WA 98948
509-248-2041

CUSTOMER COPY

Ticket: **19335073**
Date: 12/13/2022
Time: 10:30:44AM
Vehicle: 510908
Driver: Adrian G.

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:
400 S 6TH STREET, SUNNYSIDE
COMMON BARROW

	Pounds	Tons
Gross	60,680	30.34
Tare	27,660.00	13.83
Net	33,020.00	16.51

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	4	68.25	16.51	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335076**
Date: 12/13/2022
Time: 11:35:36AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	63,460	31.73
Tare	30,020	15.01
Net	33,440	16.72

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	5	84.97	16.72	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335076**
Date: 12/13/2022
Time: 11:35:36AM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	63,460	31.73
Tare	30,020	15.01
Net	33,440	16.72

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	5	84.97	16.72	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

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CUSTOMER COPY

Ticket: **19335076**
Date: 12/13/2022
Time: 11:35:36AM
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COMMON BARROW

	Pounds	Tons
Gross	63,460	31.73
Tare	30,020.00	15.01
Net	33,440.00	16.72

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	5	84.97	16.72	Ton

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335077**
Date: 12/13/2022
Time: 11:37:29AM
Vehicle: 510908
Driver: Adrian G.

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	60,100	30.05
Tare	27,660	13.83
Net	32,440	16.22

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	6	101.19	16.22	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

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441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335077**
Date: 12/13/2022
Time: 11:37:29AM
Vehicle: 510908
Driver: Adrian G.

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	60,100	30.05
Tare	27,660	13.83
Net	32,440	16.22

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	6	101.19	16.22	Ton

Thank you for your business!

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441 E. McDonald Rd

Toppenish, WA 98948

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CUSTOMER COPY

Ticket: **19335077**
Date: 12/13/2022
Time: 11:37:29AM
Vehicle: 510908
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Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	60,100	30.05
Tare	27,660.00	13.83
Net	32,440.00	16.22

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	6	101.19	16.22	Ton

Thank you for your business!

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Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

OFFICE COPY

Ticket: **19335081**
Date: 12/13/2022
Time: 12:40:24PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	60,080	30.04
Tare	30,020	15.01
Net	30,060	15.03

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	7	116.22	15.03	Ton

Signature: _____

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335081**
Date: 12/13/2022
Time: 12:40:24PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	60,080	30.04
Tare	30,020	15.01
Net	30,060	15.03

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	7	116.22	15.03	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Central Pre-Mix

01193 - CPM Toppenish - PS-E-158

441 E. McDonald Rd

Toppenish, WA 98948

509-248-2041

CUSTOMER COPY

Ticket: **19335081**
Date: 12/13/2022
Time: 12:40:24PM
Vehicle: 510551
Driver:

Customer: 38560
Cust. Name: Van Belle Excavating LLC

Order: -
Disp #: 35135
Job:
P.O.:

Address & Instructions:

400 S 6TH STREET, SUNNYSIDE

COMMON BARROW

	Pounds	Tons
Gross	60,080	30.04
Tare	30,020.00	15.01
Net	30,060.00	15.03

WM: Katie Gray

Product	Loads	Total Qty	Ticket Qty	UOM
2602 COMMON BORROW	7	116.22	15.03	Ton

Thank you for your business!

WARNING: HOT MIX ASPHALT (HMA) TEMPERATURES CAN EXCEED 330 DEGREES. Use appropriate protective equipment when working with HMA. See reverse side for warranty and shipment delivery conditions.

Roosevelt Landfill 509-384-5641 01 **3811**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 9:20 am 12/12/22 9:52 am

VAN BELLE EXC

11 side duamp

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	90,000	NET TONS	25.46		INBOUND
Scale Out	TARE WEIGHT	39,080	NET WEIGHT	50,920		INVOICE

0.00	YD	Tracking QTY	
25.46	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641 01 **3814**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 9:28 am 12/12/22 10:11 am

VAN BELLE EXC

004 truck and pup DESERT WIND

Contract:MC-16762 PO:.

Manual In	GROSS WEIGHT	90,120	NET TONS	23.71		INBOUND
Scale Out	TARE WEIGHT	42,700	NET WEIGHT	47,420		INVOICE

0.00	YD	Tracking QTY	
23.71	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641 01 **3815**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 9:56 am 12/12/22 10:31 am

VAN BELLE EXC

80 BDK EXC

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	88,760	NET TONS	25.74	INBOUND
Scale Out	TARE WEIGHT	37,280	NET WEIGHT	51,480	INVOICE

0.00	YD	Tracking QTY	
25.74	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641 01 **3820**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 10:44 am 12/12/22 11:10 am

VAN BELLE EXC

24 MURPHY BROTHERS

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	96,080	NET TONS	26.01	INBOUND
Scale Out	TARE WEIGHT	44,060	NET WEIGHT	52,020	INVOICE

0.00	YD	Tracking QTY	
26.01	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641
500 Roosevelt Grade Road Roosevelt, WA

01 **3823**

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 11:51 am 12/12/22 12:17 pm

VAN BELLE EXC

DT - 8 CULBERT CON

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	94,580	NET TONS	26.26	INBOUND
Scale Out	TARE WEIGHT	42,060	NET WEIGHT	52,520	INVOICE

0.00	YD	Tracking QTY	
26.26	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641
500 Roosevelt Grade Road Roosevelt, WA

01 **3827**

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 1:10 pm 12/12/22 1:26 pm

VAN BELLE EXC

11 SIDE DUMP

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	95,940	NET TONS	28.50	INBOUND
Scale Out	TARE WEIGHT	38,940	NET WEIGHT	57,000	INVOICE

0.00	YD	Tracking QTY	
28.50	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641 01 **3829**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 2:11 pm 12/12/22 2:35 pm

VAN BELLE EXC

04 DESERT WIND

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	107,620	NET TONS	32.56	INBOUND
Scale Out	TARE WEIGHT	42,500	NET WEIGHT	65,120	INVOICE

0.00	YD	Tracking QTY	
32.56	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641 01 **3830**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 2:13 pm 12/12/22 3:01 pm

VAN BELLE EXC

80 BDK CON

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	97,400	NET TONS	30.21	INBOUND
Scale Out	TARE WEIGHT	36,980	NET WEIGHT	60,420	INVOICE

0.00	YD	Tracking QTY	
30.21	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641 01 **3831**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/12/22 2:56 pm 12/12/22 3:19 pm

VAN BELLE EXC

24 MURPHEY BRO

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	110,040	NET TONS	33.84		INBOUND
Scale Out	TARE WEIGHT	42,360	NET WEIGHT	67,680		INVOICE

0.00	YD	Tracking QTY	
33.84	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:

CHECK :

Roosevelt Landfill 509-384-5641 01 **3836**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/13/22 8:28 am 12/13/22 9:59 am

VAN BELLE EXC

SIDE DUMP 11

Contract:MC-16762 PO:.

Scale In	GROSS WEIGHT	99,320	NET TONS	30.11		INBOUND
Scale Out	TARE WEIGHT	39,100	NET WEIGHT	60,220		INVOICE

0.00	YD	Tracking QTY	
30.11	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :

Roosevelt Landfill 509-384-5641 01 **3835**
500 Roosevelt Grade Road Roosevelt, WA

Brandie M.

690461 - Van Belle Excavating LLC
PO Box 751
Prosser, WA 99350

12/13/22 8:57 am 12/13/22 9:14 am

VAN BELLE EXC

CULBERT DT - 8

Contract:MC-16762 PO:.

Manual In	GROSS WEIGHT	103,280	NET TONS	29.73		INBOUND
Scale Out	TARE WEIGHT	43,820	NET WEIGHT	59,460		INVOICE

0.00	YD	Tracking QTY	
29.73	tn	PCS 34	Origin:Sunnyside 100%

CHANGE:
CHECK :